738F92010

Chlorinated Isocyanurates

Summary of Requirements

Within 90 Days of Receipt of this RED

- Sign and submit both data call-in response forms attached to the generic and product specific DCIs (Appendix F, Attachments B and C; and Appendix G, Attachments B and C).

Within 6 Months From the Date of This RED

- For each product that does not qualify for a generic data exemption you must submit or cite the required generic product chemistry data listed in the generic DCI (Appendix F). If you cite data that has been reviewed by the Agency and determined to be acceptable you must submit a list of the studies and the corresponding EPA identifier numbers (i.e., Accession or MRID numbers). Be sure to follow data formatting requirements in P.R. Notice 86-5. Failure to adequately comply with the data requirements specified in this RED may result in the Notice of Intent to Suspend your product. All data submitted to fulfill requirements listed in Appendix F should be sent to:

  Document Processing Desk (RED-SRRD-0569)
  Office of Pesticide Programs (H7504C)
  Environmental Protection Agency
  401 M Street, S.W.
  Washington, D.C. 20460-0001

Within 8 Months From the Date of This RED

- Submit a completed Application for Reregistration (EPA Form 8570-1).

- Submit five copies of the label and labeling revised as specified by the RED and in accordance with current requirements.

- Submit two completed copies of the Confidential Statement of Formula (EPA Form 8570-4).

- Submit a completed Certification With Respect to Data Compensation (EPA Form 8570-31), if applicable. EPA Form 8570-31 is required to establish ownership of product specific data only and allows only two options: development of data (owner submission method); and citing of specific data (selective method requiring a data matrix). The cite-all method of support is not an acceptable option for

responding to the product specific data requirements of the RED.

- Submit the required data or references to data as specified by the RED/DCI for product specific data (Appendix G). Please note that products that are listed in Table III and Table IV of the EPA grouping of End-Use Products (Appendix G, Attachment D) did not fall into any batch. Therefore the acute toxicology data required in the product specific DCI (Appendix G) must be submitted for these products. (i.e., the grouping of similar products for purposes of submitting acute toxicology data does not apply to those products listed in Table III and Table IV of Appendix G, Attachment D). All data submitted to fulfill requirements listed in Appendix G should be sent to:

  Document Processing Desk (RED/RD/PM32)
  Office of Pesticide Programs (H7504C)
  Environmental Protection Agency
  401 M Street, S.W.
  Washington, D.C. 20460-0001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MAY 7 1993

CERTIFIED MAIL

Dear Registrant:

I am pleased to announce that the Environmental Protection Agency (the "Agency") has completed its reregistration eligibility decision on the pesticide active ingredients dichloro-s-triazinetrione, potassium dichloro-s-triazinetrione, sodium dichloro-s-triazinetrione, trichloro-s-triazinetrione and sodium dichloro-s-triazinetrione dihydrate.

Enclosed is a **Reregistration Eligibility Document (RED)** for the pesticide active ingredients dichloro-s-triazinetrione, potassium dichloro-s-triazinetrione, sodium dichloro-s-triazinetrione, trichloro-s-triazinetrione and sodium dichloro-s-triazinetrione dihydrate, hereafter referred to as the chlorinated isocyanurates. The RED is the Agency's evaluation of the chlorinated isocyanurates data base, its conclusions regarding human and environmental risks associated with the current product uses, and its decisions and conditions under which uses and products will be eligible for reregistration. Also enclosed are the **EPA RED facts** and the **Pesticide Reregistration Handbook** which provide instructions to registrants on how to respond to any labeling and data requirements specified in the RED and how to reregister products.

The RED identifies outstanding product specific data requirements for end-use products and manufacturing-use products. These requirements are listed on the Requirements Status and Registrant's Response Form, which, along with the Data Call-In Response Form listing all of your company's products subject to the RED, is included as an Attachment. Instructions for completing both forms are contained in the RED package. All product specific data must be submitted and found acceptable by the Agency before a product can be reregistered.

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Generic data requirements usually will have been fulfilled prior to making a reregistration eligibility decision. However, there may be some instances where additional generic data are required. If generic data requirements need to be fulfilled, all registrants must complete the appropriate Data Call-In Response Form and Requirements Status and Registrant's Response Form. These forms are in the appendices to the RED.

The RED identifies any specific labeling requirements such as restricted use classification, groundwater hazard statements, endangered species precautions, etc., necessary for reregistration based on a review of the generic data for the active ingredient. In addition, in order to be reregistered, all product labeling must be in compliance with format and content labeling as described in 40 CFR §156.10 and all labeling changes imposed by Pesticide Regulation (PR) Notices, and any label changes imposed by this RED.

The Pesticide Reregistration Handbook contains detailed instructions for compliance with the RED and must be followed carefully. There are several key points to remember in preparing your response to the RED:

Within 90 Days of Your Receipt of this Letter

1. For each product which is subject to this RED, **you must complete, sign and submit the data call-in (DCI) response forms attached to the RED** [Appendix F, Attachment B and C (if applicable) has forms for generic data; and Appendix G, Attachments B and C, has forms for product specific data]. Follow the instructions in Attachments B and C for completing those forms and submit the forms to the appropriate address specified in the Data Call-Ins. **Note that the DCI forms for generic data are to be sent to the Special Review and Reregistration Division (use the mailing distribution code RED-SRRD-0569 for your generic response). The DCI forms for product specific data are to be sent to the Registration Division (use the mailing distribution code RED-RD-PM32 for your product specific response).**

2. **No time extensions will be granted for submitting the 90-day responses.** If the Agency does not receive a response for a product, it may issue a Notice of Intent to Suspend (NOIS) for that product.

3. **Any requests for data waivers or time extensions to the 8-month deadline must be submitted as part of your 90-day response.** Such requests will generally not be considered if submitted later than the 90-day response.

Within 8 Months of the Date of this Letter

1. For each product, you must submit a completed Application for Reregistration (EPA Form 8570-1), five copies of the label and labeling revised as specified by the RED and in accordance with current requirements, two completed copies of the Confidential Statement of Formula (CSF) (EPA Form 8570-4), a completed Certification with Respect to Citation of Data (EPA Form 8570-31), and data or references to data (see item 2 below).

2. You must submit or cite the required product specific data as part of your commitment for reregistration. For most products, you will probably be citing data which have already been submitted to the Agency. In these cases, you must submit a list of the studies and the corresponding EPA identifier numbers (i.e., ACCESSION or MRID numbers). Before citing these studies, you must make sure that they meet the Agency's current acceptance criteria (Appendix F, Attachment E). Be sure to follow data formatting requirements in P.R. Notice 86-5. Failure to adequately comply with the data requirements specified in this RED may result in the Notice of Intent to Suspend your product.

3. The labeling and CSF which you submit for each product must comply with P.R. Notice 91-2 (Appendix D). That Notice requires that the amount of active ingredient declared in the ingredient statement must be stated as the nominal concentration rather than the lower certified limit. You have two options for submitting a CSF: (1) accept the standard certified limits (see 40 CFR §158.175) or (2) provide certified limits that are supported by the analysis of five batches. If you choose the second option, you must submit or cite the data for the five batches along with a certification statement as described in 40 CFR §158.175(e).

4. Send your Application for Registration to the Registration Division Product Manager 32 (PM 32) who is assigned to the product, Ruth Douglas. Use the correct address shown on page 6 of the enclosed Product Reregistration Handbook (Appendix E). Note that the mailing distribution code for your response is RED-RD-PM32.

Questions on product specific data requirements and labeling (for both End-use and Manufacturing-use products) should be directed to the Registration Division Product Manager 32 Team member for the chlorinated isocyanurates, Barbara Pringle at (703) 305 - 6484. Questions on the generic data requirements should be directed to Karen Samek, the Chemical Review Manager in the Special Review and Reregistration Division at (703) 308 - 8051.

The Agency is prepared to meet with any registrants who have questions about responding to the chlorinated isocyanurates RED. **If you wish to meet with the Agency, you must contact Ms. Pringle within two weeks of your receipt of the RED.** The Agency intends to have one combined meeting with interested registrants. If there are any requests for such a meeting, the Agency will notify all registrants who requested a meeting of the date, location and time. Requests for a meeting will not extend the 90-day or 8-month response deadlines.

Sincerely yours,

Daniel M. Barolo, Director
Special Review and
Reregistration Division

Enclosures

United States
Environmental Protection
Agency

Office of Prevention, Pesticides
And Toxic Substances
(H-7508W)

EPA-738-F-92-010
September 1992

EPA R.E.D. FACTS

Chlorinated Isocyanurates

Pesticide Reregistration

All pesticides sold or used in the United States must be registered by EPA, based on scientific studies showing that they can be used without posing unreasonable risks to people or the environment. Because of advances in scientific knowledge, the law requires that pesticides which were first registered years ago be reregistered to ensure that they meet today's more stringent standards.

In evaluating pesticides for reregistration, EPA obtains and reviews a complete set of studies from pesticide producers, describing the human health and environmental effects of each pesticide. The Agency imposes any regulatory controls that are needed to effectively manage each pesticide's risks. EPA then reregisters pesticides that can be used without posing undue hazards to human health or the environment.

When a pesticide is eligible for reregistration, EPA announces this and explains why in a Reregistration Eligibility Document, or RED. This fact sheet summarizes the information in the RED for the chlorinated isocyanurates, which include the following five antimicrobial compounds:

- dichloro-s-triazinetrione
- potassium dichloro-s-triazinetrione
- sodium dichloro-s-triazinetrione
- trichloro-s-triazinetrione
- sodium dichloro-s-triazinetrione dihydrate

Use Profile

The chlorinated isocyanurates are registered for use as disinfectants, sanitizers, algaecides, fungicides, fungistats, bactericides, bacteriostats, microbicides and microbistats. These five compounds are used primarily as disinfectants and algicides in swimming pools and to a lesser extent in industrial cooling water systems. Minor uses include sanitizing and disinfecting food and non-food contact surfaces and sanitizing laundry.

Regulatory History

The chlorinated isocyanurates first were registered in the United States in 1958 for use as disinfectants, sanitizers, algicides and fungicides. In 1980, EPA issued a Data Call-In requiring additional toxicity data to assess the potential for kidney damage from exposure to these compounds. The Agency issued a Registration Standard for the chlorinated isocyanurates in May 1988 which evaluated the kidney toxicity data and required additional information to support the indoor and aquatic non-food uses. Currently, technical and end use products are registered containing chlorinated isocyanurates as active ingredients.

Human Health Assessment

Toxicity

The chlorinated isocyanurates have low acute oral and dermal toxicity but are very irritating to the eyes, and have been placed in Toxicity Category I (indicating the highest level of acute toxicity) for this effect. They are very mild skin irritants and are not considered to be skin sensitizers.

A subchronic toxicity study showed effects in the urinary bladders of male mice and rats. Chronic toxicity studies (2-year feeding studies) using rats and mice showed no oncogenic effects at any dose level. The chlorinated isocyanurates are not teratogenic or mutagenic. Metabolism studies show that they are rapidly absorbed, distributed and excreted unmetabolised.

Dietary Exposure

No exposure to the chlorinated isocyanurates is expected through the diet. Therefore, no tolerances (maximum residue limits) or exemptions from the requirement of a tolerance are established or required for these compounds. Their use as food and non-food contact surface sanitizers is regulated by the Food and Drug Administration (FDA), which has established food additive regulations as necessary (please see 21 CFR 178.1010). Their use in commercial egg washing is regulated by the U.S Department of Agriculture.

No international Codex Maximum Residue Levels are established for the chlorinated isocyanurates.

Occupational and Residential Exposure

Some occupational and residential exposure to the chlorinated isocyanurates can be expected based on their currently registered uses, primarily in swimming pools and to a lesser degree in industrial cooling water systems. However, because the compounds are of low toxicity (except for acute eye irritation), occupational and residential exposure monitoring data are not required. Current product labeling protects swimmers by prohibiting reentry into treated swimming pools/spas with greater than 3 parts per million (ppm) chlorine.

Human Risk Assessment

The chlorinated isocyanurates do not appear to cause acute (except eye irritation), subchronic or chronic toxicity. Dietary exposure to these compounds is not expected, and only limited residential and occupational exposure is anticipated. Current product labeling warns users that these compounds are very irritating to the eyes, and prohibits swimmers' reentry into treated pools if chlorine levels exceed 3 ppm. Therefore, the chlorinated isocyanurates' human health risks are adequately mitigated by product label precautions.

Environmental Assessment

Environmental Fate

All of the chlorinated isocyanurates form hypochlorous acid when dissolved in water. A weak acid and oxidizing agent, hypochlorous acid reacts readily with ammonia, amines, sulfides, sulfites, and nitrites present in the water. Antimicrobial activity results from the oxidation reactions with microbial enzyme systems. Isocyanuric acid and cyanuric acid remain and, under anaerobic conditions, degrade rapidly to carbon dioxide and ammonia. These products are highly soluble in water and would be rapidly excreted by aquatic organisms; therefore, no accumulation in mammals, fish or nontarget aquatic organisms is likely.

Ecological Effects

The chlorinated isocyanurates are practically nontoxic to birds. However, they are very highly toxic to coldwater fish, highly toxic to warmwater fish, highly toxic to freshwater invertebrates, and very highly toxic to estuarine and marine organisms.

Environmental Risk Assessment

Nontarget organisms may be exposed to the chlorinated isocyanurates through indirect discharges or effluents, or through accidental releases or spills. EPA does not conduct hazard assessments for these exposures, but is requiring relevant precautionary labeling for all chlorinated isocyanurate products used where an effluent may occur (please see Product Labeling Changes Required, below).

Additional Data Required

Additional generic product chemistry data are required for reregistration of certain technical or manufacturing use chlorinated isocyanurate products.

Product-specific data, including product chemistry, acute toxicology and in some cases efficacy studies, also are required for reregistration.

Product Labeling Changes Required

The labels of all registered chlorinated isocyanurate products must comply with EPA's current pesticide labeling requirements. Any product label which allows both manufacturing and end use must be amended to specify only one use or the other.

Any chlorinated isocyanurate product used where an effluent may occur must bear the following Environmental Hazard label statement:

> "This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA."

A summary of the label additions/changes required for chlorinated isocyanurate technical or manufacturing use products appears in the RED.

The following additions/changes are required in the labels and labeling of chlorinated isocyanurate end-use products:

- Include the reentry statement, "Reentry into treated swimming pools/spas is prohibited above levels of 3 ppm of chlorine."
- Products with commercial egg wash treatment on the label, as well as sanitizing solutions for food contact surfaces, must be in compliance with FDA requirements. The directions for use in sanitizing eggs must be similar to language prescribed in the RED.
- Label claims must be revised to reflect the nominal concentration of the active ingredient.

Regulatory Conclusion

- All registered pesticide products containing chlorinated isocyanurates as active ingredients are not likely to cause unreasonable adverse effects in people or the environment, and are eligible for reregistration. These products will be reregistered once any required generic data, product-specific data and revised labeling are received and accepted by EPA.
- Registered products containing chlorinated isocyanurates as well as other active ingredients will be reregistered once the other active ingredients also are determined to be eligible for reregistration.

For More Information

EPA is requesting public comments on the Reregistration Eligibility Document (RED) for the chlorinated isocyanurates during a 60-day time period, as announced in a Notice of Availability published in the Federal Register. To obtain a copy of the RED or to submit written comments, please contact the Public Response and Program Resources Branch, Field Operations Division (H-7506C), Office of Pesticide Programs (OPP), US EPA, Washington, DC 20460, telephone 703-305-5805.

In the future, the chlorinated isocyanurates RED will be available from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161, telephone 703-487-4650.

For more information about the chlorinated isocyanurates or about EPA's pesticide reregistration program, please contact the Special Review and Reregistration Division (H-7508W), OPP, US EPA, Washington, DC 20460, telephone 703-308-8000. For information about reregistration of individual chlorinated isocyanurate products, please contact the Registration Division (H-7505C), OPP, US EPA, Washington, DC 20460, telephone 703-305-7964.

For information about the health effects of pesticides, or for assistance in recognizing and managing pesticide poisoning symptoms, please contact the National Pesticides Telecommunications Network (NPTN). Call toll-free 1-800-858-7378, 24 hours a day, seven days a week, or fax your inquiry to 806-743-3094.

United States
Environmental Protection
Agency

Pesticides and
Toxic Substances
(H-7508W)

September, 1992

EPA Reregistration Eligibility Document (RED)

Chlorinated Isocyanurates

REREGISTRATION ELIGIBILITY DOCUMENT

CHLORINATED ISOCYANURATES

LIST A

CASE 0569

September, 1992

ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDE PROGRAMS
SPECIAL REVIEW AND REREGISTRATION DIVISION
WASHINGTON, D.C.

GLOSSARY OF TERMS AND ABBREVIATIONS

ADI	Acceptable Daily Intake. Also known as the Reference Dose or RfD.
a.i.	Active Ingredient
ARC	Anticipated Residue Contribution
CAS	Chemical Abstracts Service
CSF	Confidential Statement of Formula
EEC	Estimated Environmental Concentration. The estimated pesticide concentration in an environment, such as a terrestrial ecosystem.
EP	End-Use Product
EPA	U.S. Environmental Protection Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FFDCA	Federal Food, Drug, and Cosmetic Act
HDT	Highest Dose Tested
K+CWHR	Kernel plus Cob with Husk Removed
LC50	Median lethal concentration - a statistically derived concentration of a substance that can be expected to cause death in 50% of test animals. It is usually expressed as the weight of substance per weight or volume of water or feed, e.g., mg/l or ppm.
LD50	Median lethal dose - a statistically derived single dose that can be expected to cause death in 50% of the test animals, when administered by the route indicated (oral, dermal, inhalation). It is expressed as a weight of substance per unit weight of animal, e.g., mg/kg.
LDT	Lowest Dose Tested
LEL	Lowest Effect Level
MP	Manufacturing Use Product
MPI	Maximum Permissible Intake

GLOSSARY OF TERMS AND ABBREVIATIONS CONT'D

MRID	Master Record Identification (number). EPA's system of recording and tracking studies submitted to the Agency.
NPDES	National Pollutant Discharge Elimination System
NOEL	No Observed Effect Level
OPP	Office of Pesticide Programs
PADI	Provisional Acceptable Daily Intake
ppm	Parts per Million
RfD	Reference Dose
RS	Registration Standard
TMRC	Theoretical Maximum Residue Contribution

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APPENDIX F - Generic Data Call-In

Attachment A - Chemical Status Sheet

Attachment B - Generic DCI Response Forms (Form A) plus Instructions

Attachment C - Requirements Status and Registrants' Response Forms (Form B) plus Instructions

Attachment D - List of all Registrant(s) Subject to This DCI and List of Products Subject to This Generic DCI

Attachment E - EPA Acceptance Criteria

Attachment F - Cost Share/Data Compensation Forms

APPENDIX G - Product Specific Data Call-In

Attachment A - Chemical Status Sheet

Attachment B - Product Specific DCI Response Forms (Form A) plus Instructions

Attachment C - Requirements Status and Registrants' Response Forms (Form B) plus Instructions

Attachment D - EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration

Attachment E - List of all Registrant(s) sent this DCI

Attachment F - EPA Acceptance Criteria

Attachment G - Cost Share/Data Compensation Forms

EXECUTIVE SUMMARY

The chlorinated isocyanurates are currently registered for use as disinfectants, sanitizers, algaecides, fungicides, fungistats, bactericides, bacteriostats, microbicides and microbistats. The chlorinated isocyanurates include five antimicrobial compounds as follows: dichloro-s-triazinetrione (081401), potassium dichloro-s-triazinetrione (081403), sodium dichloro-s-triazinetrione (081404), trichloro-s-triazinetrione (081405), and sodium dichloro-s-triazinetrione dihydrate (081407). These compounds hereafter will be referred to collectively as the chlorinated isocyanurates.

The Agency has determined that all products which contain the chlorinated isocyanurates as the active ingredient are eligible for reregistration for all registered uses.

In May 1988, the Agency issued a registration standard entitled "Guidance for the Reregistration of Pesticide Products Containing Chlorinated Isocyanurates As the Active Ingredient (NTIS PB88-220660). The registration standard summarized the available data supporting the registrations of the chlorinated isocyanurates and required additional data to assure that the proper use of the pesticides posed no potential adverse effects to man or the environment. The Agency has completed its review of the chlorinated isocyanurates data base including the data submitted in response to the 1988 Registration Standard.

The Agency has determined that all registered uses under the perview of the Agency will not cause unreasonable risk to humans or the environment and are eligible for reregistration. No tolerances or exemptions from the requirement of a tolerance are required to support the existing uses for the registered chlorinated isocyanurate products. The Agency, however, is requiring additional product chemistry data to complete the generic data base for some manufacturing-use/technical products. These products will be reregistered once these data are submitted to and accepted by the Agency. Products for which additional generic product chemistry must be submitted to fill existing data gaps are listed in Appendix F.

Before reregistering the applicable products, the Agency is requiring that product specific data and revised labeling be submitted within 8 months of the issuance of this document. These data requirements include product chemistry and acute toxicology testing and are listed in Appendix G. After reviewing these data and the revised labels, the Agency will reregister a product based on whether or not that product meets the requirements in section 3(c)(5) of FIFRA. Those products which

contain other active ingredients will be eligible for reregistration only when the other active ingredients are determined to be eligible for reregistration.

I. INTRODUCTION

In 1988, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) was amended to accelerate the reregistration of products with active ingredients registered prior to November 1, 1984. The amended Act provides a schedule for the reregistration process to be completed in nine years. There are five phases to the reregistration process. The first four phases of the process focus on identification of data requirements to support the reregistration of an active ingredient and the generation and submission of data to fulfill the requirements. The fifth phase is a review by the U.S. Environmental Protection Agency (referred to as "the Agency") of all data submitted to support reregistration.

Section 4(g)(2)(A) of FIFRA states that in Phase 5 "the Administrator shall determine whether pesticides containing such active ingredient are eligible for reregistration" before calling in data on products and either reregistering products or taking other "appropriate regulatory action." Thus, reregistration involves a thorough review of the scientific data base underlying a pesticide's registration. The purpose of the Agency's review is to reassess the potential hazards arising from the currently registered uses of the pesticide; to determine the need for additional data on health and environmental effects; and to determine whether the pesticide meets the "no unreasonable adverse effects" criterion of FIFRA.

This document presents the Agency's decision regarding the reregistration of the chlorinated isocyanurates. The document consists of five sections. Section I is this introduction. Section II describes the chlorinated isocyanurates, their uses and regulatory history. Section III discusses the human health and environmental assessment based on the data available to the Agency. Section IV discusses the reregistration decision for the chlorinated isocyanurates and Section V discusses product reregistration. Additional details concerning the Agency's review of available data are available on request.[1]

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[1] EPA's reviews of specific reports and information on the set of registered uses considered for EPA's analyses may be obtained from: EPA, Freedom of Information, 401, M St., S.W., Washington, D.C. 20460.

II. CASE OVERVIEW

A. CHEMICAL OVERVIEW

The following active ingredients are covered by this Reregistration Eligibility Document:

1. **Common Names:** Dichloro-s-triazinetrione, dichloroisocyanuric acid.

   Chemical Name: 1,3-Dichloro-s-triazine-2,4,6 (1H,3H,5H) trione.

   Trade Name: ACL 70.

   Chemical Family: Halogenated triazines.

   Office of Pesticide Programs Chemical Code: 081401.

   CAS Registry No: 2782-57-2.

   Empirical Formula: $C_3HN_3O_3Cl_2$.

2. **Common Names:** Potassium dichloro-s-triazinetrione; Potassium dichloroisocyanurate.

   Chemical Name: 1,3-Dichloro-s-triazine-2,4,6 (1H,3H,5H) trione potassium salt.

   Trade Names: ACL 59; P.D.I.C.

   Chemical Family: Halogenated triazines.

   Office of Pesticide Programs Chemical Code: 081403.

   CAS Registry No: 2244-21-5.

   Empirical Formula: $C_3N_3O_3Cl_2K$.

3. **Common Names:** Sodium dichloro-s-triazinetrione; sodium dichloroisocyanurate.

   Chemical Name: 1,3-Dichloro-s-triazine-2,4,6 (1H,3H,5H) trione sodium salt.

   Trade Names: ACL 60; CDB 60; CDB 63; S.D.I.C.

Chemical Family: Halogenated triazines.

Office of Pesticide Programs Chemical Code: 081404.

CAS Registry No: 2893-78-9.

Empirical Formula: $C_3N_3O_3Cl_2Na$.

4. **Common Names:** Trichloro-s-triazinetrione; trichloroisocyanuric acid; trichloroisocyanurate.

   Chemical Name: 1,3,5-trichloro-s-triazine-2,4,6 (1H,3H,5H) trione.

   Trade Names: ACL 90 Plus; CDB 90; T.I.C.A.; TCCA.

   Chemical Family: Halogenated triazines.

   Office of Pesticide Programs Chemical Code: 081405.

   CAS Registry No: 87-90-1.

   Empirical Formula: $C_3N_3O_3Cl_3$.

5. **Common Names:** Sodium dichloro-s-triazinetrione dihydrate; sodium dichloroisocyanurate dihydrate.

   Chemical Name: 1,3-Dichloro-s-triazine-2,4,6 (1H,3H,5H) trione sodium salt dihydrate.

   Trade Names: ACL 56; CDB Clearon; DICD.

   Chemical Family: Halogenated triazines.

   Office of Pesticide Programs Chemical Code: 081407.

   CAS Registry No: 51580-86-0.

   Empirical Formula: $C_3N_3O_3Cl_2N_2.2H_2O$.

The dechlorinated s-triazinetrione, isocyanuric acid, (OPP Chemical Code: 081402) was not considered under the 1988 Registration Standard and is not being considered in this reregistration eligibility document since it has no pesticidal properties per se. It acts only as an inert chemical stabilizer for the hypochlorous acid derived from other sources.

Although the penta-s-triazinetrione, (OPP Chemical Code: 081406) was considered in the 1988 Registration Standard, it is not being considered in this reregistration eligibility document since no active products remain registered with the Agency.

B. USE PROFILE

The following is information on the active registered uses with specific use sites and application methods. A detailed table of both eligible and ineligible uses of the chlorinated isocyanurates is in Appendix A.

1. **Chemical Name:** Dichloro-s-triazinetrione

Case number: 0569

Chemical Code: 081401

CAS Reg Number: 2782-57-2

Type of Pesticide: Disinfectant, Sanitizer.

Use Sites:
INDOOR FOOD:
Dairies/cheese processing plant equipment (food contact), Dairies/cheese processing plant premises (non-food contact), Dairy farm milk handling facilities/equipment, Dairy farm milking equipment, Eating establishments equipment/utensils (food contact), Eating establishments food handling and serving areas (non-food contact), Food processing plant equipment (food contact), Food processing plant premises (non-food contact).

INDOOR NON-FOOD:
Commercial/institutional/industrial floors, Commercial/institutional/industrial premises/equipment.

INDOOR MEDICAL:
Hospital noncritical items, Hospital/medical institutions non-conductive floors, Hospitals/medical institutions premises (human/veterinary).

INDOOR RESIDENTIAL:
Household/domestic dwellings contents, Household/domestic dwellings indoor premises, Residential floors.

Pests Controlled: Bacteria.

Formulation Types Registered:
TYPE: End use.
FORM: Liquid soluble concentrate.

Methods and Rates of Application:
TYPES OF TREATMENT: Mop, Sponge-on, Wipe-on, Scrub, Equipment treatment, Indoor premise treatment.

EQUIPMENT: Mop, Sponge, Cloth, Brush, Mechanical scrubber, Not on all labels.

TIMING: As needed.

RATE OF APPLICATION: 117 - 234 ppm available chlorine by weight.

Use Practices Limitations: Strong oxidizing agent; Do not mix with other chemicals or materials.

2. **Chemical Name:** Potassium Dichloro-s-Triazinetrione

Case Number: 0569

Chemical Code: 081403

CAS Reg Number: 2244-21-5

Type of Pesticide: Disinfectant, Sanitizer, Algicide, Fungicide/fungistat.

Use Sites:
AQUATIC NON-FOOD RESIDENTIAL:
Swimming pool water systems.

INDOOR FOOD:
Dairies/cheese processing plant equipment (food contact), Dairies/cheese processing plant premises (non-food contact), Dairy farm milk handling facilities/equipment, Dairy farm milking equipment, Eating establishments equipment/utensils (food contact), Egg washing treatments (commercial), Food processing plant equipment (food contact), Food processing plant premises (nonfood contact), Food processing water systems, Meat processing plant equipment (food contact), Meat processing plant premises (nonfood contact), Poultry processing plant equipment (food contact), Poultry processing plant premises (nonfood contact).

INDOOR NON-FOOD:
Commercial/institutional/industrial floors, Eating establishments food handling and serving areas (nonfood

contact), Egg washing treatments (hatching), Laundry (commercial).

INDOOR MEDICAL:
Hospitals/medical institutions premises (human/veterinary).

INDOOR RESIDENTIAL:
Bathroom premises/hard surfaces, Household/domestic dwellings contents, Household/domestic dwellings indoor premises, Refuse/solid waste containers (garbage cans), Residential floors, Toilet bowls (interior surfaces).

Pests: Algae, bacteria and fungi.

Formulation Types Registered:
TYPE: End use, Technical grade.
FORM: Granular, Pelleted/tableted, Solid soluble concentrate.

Methods and Rates of Application:
TYPES OF TREATMENT: Immersion, Spray, Surface treatment, Dip, Indoor premise treatment, Pour-on, Brush-on, Equipment treatment, Circulation method, Fog, Rinse, Wash, Water-treatment.

EQUIPMENT: Tank, Sprayer, Brush, Soak, By hand, Not on all labels.

TIMING: Initial, Subsequent/maintenance, Shock/slug, As needed.

RATE OF APPLICATION: 1 - 1326 ppm available chlorine by weight.

Use Practices Limitations: Strong oxidizing agent; Do not mix with other chemicals or materials.

3. **Chemical Name:** Sodium dichloro-s-triazinetrione

Case Number: 0569

Chemical Code: 081404

CAS Reg Number: 2893-78-9

Type of Pesticide: Microbicide/microbistat, Disinfectant, Sanitizer, Fungicide, Algicide, Bacteriostat.

Use Sites:
AQUATIC FOOD CROP: Human drinking water systems.

AQUATIC NON-FOOD INDUSTRIAL:
Air washer water systems, Commercial/industrial water cooling systems, Evaporative condenser water systems, Sewage systems, Heat exchanger water systems, Lakes/ponds/reservoirs (without human or wildlife use), Industrial scrubbing systems.

AQUATIC NON-FOOD RESIDENTIAL:
Swimming pools, Hot tubs and spas, Ornamental ponds/aquaria, Domestic/commercial non potable water (waterbed water).

GREENHOUSE FOOD CROP:
Mushroom houses-empty premise/equipment.

INDOOR FOOD:
Poultry (egg/meat), Egg handling rooms and equipment (commercial), Egg washing treatments (hatching and commercial), Dairy farm milk handling facilities/equipment, Dairy farm milking equipment, Household/domestic dwellings indoor food handling areas, Dairies/cheese and meat processing plant premises and equipment (food and non-food contact), Poultry processing plant equipment (food contact), Eating establishments food handling areas (food and non-food contact), Food dispensing equipment/vending machines.

INDOOR NON-FOOD:
Egg plants/hatcheries/brooder rooms, shoe baths (hatching), Mushroom houses-empty premises/equipment, Pasteurizer/warmer/cannery cooling water systems, Eating establishments food handling and serving areas (non-food contact), Commercial/institutional/industrial premises/equipment (indoor), Laundry (commercial), Diapers (commercial laundry), Refuse/solid waste containers (garbage cans).

INDOOR MEDICAL:
Hospital semicritical items (catheters/inhalation equipment).

INDOOR RESIDENTIAL:
Residential floors, Laundry (household/coin operated).

Pests: Bacteria, Slime-forming algae, bacteria and fungi.

Formulation Types Registered:
TYPE: End use, Manufacturing use.
FORM: Soluble concentrate/solid, Tablet, Granular.

Methods and Rates of Application:
TYPES OF TREATMENT:
Feeding and watering appliance treatment, Indoor premise treatment, Transportation vehicle treatment, Rinse, Spray, Brush-on, Mop, Egg treatment, Wash, Pour-on, Wipe-on, Immersion, Circulation method, Circulate-in-place (CIP) treatment, Equipment treatment, Dip, Soak, Water recirculating system treatment, Water treatment, Fog, Flush treatment, Surface treatment, Scrub, Contact and/or surface treatment.

EQUIPMENT:
Sprayer, Brush, Mechanical sprayer, Machine apparatus, Cloth, By hand, Skimmer basket, Pail, Portable chlorinator/brominator unit, Sponge, Tank, Dish washing machine, Sink, Washing machine.

TIMING:
As needed, Continuous feed (initial and subsequent), Intermittent (slug) (initial and subsequent), Shock/slug, Initial/Subsequent maintenance, Winterizing, Morning, Night time, Not on all labels.

RATE OF APPLICATION:
Available chlorine: 1 - 1062 ppm.

Use Practices Limitations: None.

4. **Chemical Name:** Trichloro-s-triazinetrione

Case Number: 0569

Chemical Code: 081405

CAS Reg Number: 87-90-1

Type of Pesticide: Microbicide/microbistat (slime forming bacteria, fungi, algae), Disinfectant, Sanitizer, Fungicide, Algicide, Bacteriostat.

Use Sites:
AQUATIC NON-FOOD INDUSTRIAL:
Air washer water systems, Commercial/industrial water cooling systems, Evaporative condenser water systems, Secondary oil recovery injection water, Sewage systems, Heat exchanger water systems, Lakes/ponds/reservoirs (without human or wildlife use), Industrial scrubbing system, Oil recovery drilling muds/packer fluids.

AQUATIC NON-FOOD RESIDENTIAL:
Swimming pool water systems, Ornamental ponds/aquaria.

INDOOR FOOD:
Poultry (egg/meat), Egg handling equipment and washing treatments (commercial), Dairy farm milk handling facilities/equipment, Dairy farm milking equipment, Agricultural/farm structures/buildings and equipment, Agricultural/farm premises, Household/domestic dwellings indoor food handling areas, Pasteurizer/warmer/cannery cooling water systems, Human drinking water systems, Food processing plant premises and equipment (food and non-food contact), Dairies/cheese processing plant premises and equipment (food and non-food contact), Meat processing plant premises and equipment (food and non-food contact), Poultry processing plant premises and equipment (food and non-food contact), Fish/seafood processing plant premises and equipment (food and non-food contact), Eating establishments equipment/utensils and food handling areas (food contact).

INDOOR NON-FOOD:
Animals (laboratory/research), Egg plants/hatcheries/brooder rooms/shoe baths (hatching), Eating establishments food handling and serving areas (nonfood contact), Commercial/institutional/industrial premises/equipment (indoor), Commercial/institutional/industrial floors, Leather/leather products, Laundry (commercial).

INDOOR MEDICAL:
Hospitals/medical institutions premises (human/veterinary), Hospital noncritical items (bedpans/furniture), Hospital/medical institutions non-conductive floors.

INDOOR RESIDENTIAL:
Laundry (household/coin-operated), Bathroom premises/hard surfaces.

PESTS: Black and green algae, Sulfate-reducing bacteria, Slime-forming bacteria, algae and fungi, *Desulfovibrio desulfuricans, Pseudomonas sp., Bacillus sp.*

FORMULATION TYPES REGISTERED:
TYPE: End use, Manufacturing use.
FORM: Soluble granular, Tablets, Sticks, Solid soluble concentrate.

METHODS AND RATES OF APPLICATION:
TYPES OF TREATMENT:
Feeding and watering appliance treatment, Wash, Spray, Circulate-in-place (CIP) treatment, Immersion, Premise treatment, Water recirculating system treatment, Water treatment, Broadcast, Sprinkle, Water once-through system treatment, Brush-on, Swab, Soak, Rinse, Wash, Sewage treatment, Mop, Wipe-on, Fog, Sponge-on, Immersion, Surface

treatment, Preservative treatment.

EQUIPMENT:
Pressure sprayer, Tablet feeder, Skimmer basket, By hand, Brush, Mop, Cloth, Fogging, Sponge, Tank, Metering pump, Washing machine, Portable chlorinator unit.

TIMING:
Continuous feed (initial), Continuous feed (subsequent), Intermittent (slug)(initial), Intermittent (slug)(subsequent), Initial, Subsequent/maintenance, Shock/slug, Winterizing.

RATE OF APPLICATION: Available chlorine: 1 - 971 ppm by weight.

USE PRACTICES LIMITATIONS: None.

5. **Chemical Name:** Sodium Dichloro-s-triazinetrione Dihydrate

Case number: 0569

Chemical Code: 081407

CAS Reg Number: 51580-86-0

Type of Pesticide: Microbicide/microbistat, Disinfectant, Sanitizer, Fungicide, Algicide.

Use Sites:
AQUATIC NON-FOOD INDUSTRIAL:
Air washer water systems, Commercial/industrial water cooling systems, Evaporative condenser water systems, Sewage systems, Heat exchanger water systems, Lagoons (without human or wildlife use), Industrial scrubbing system.

AQUATIC NON-FOOD RESIDENTIAL:
Hot tubs, Spas, Swimming pool water systems, Ornamental fountains.

INDOOR FOOD:
Poultry houses, Egg handling equipment, Commercial egg washing treatments, Hatching egg washing treatments, Dairy farm milk handling facilities/equipment, Dairy farm milking equipment, Household/domestic dwellings indoor food handling areas, Human drinking water systems, Food processing plant premises and equipment (food and non-food contact), Dairies/cheese processing plant premises and equipment (food and non-food contact), Meat processing plant premises and equipment (food and non-food contact), Poultry processing plant premises and equipment (food and non-food contact),

Fish/seafood processing plant premises and equipment (food and non-food contact), Eating establishments, Eating establishments equipment/utensils (food contact), Milk shake machines, Soft serve ice cream machines.

INDOOR NON-FOOD:
Hatching egg washing treatments, Pasteurizer/warmer/cannery cooling water systems, Eating establishments food handling and serving areas (non-food contact), Commercial/institutional/industrial premises/equipment, Laundry (commercial), Diapers (commercial laundry).

INDOOR MEDICAL:
Surgical fluid waste sanitizer.

INDOOR RESIDENTIAL:
Household/domestic dwellings indoor premises, Residential floors, Laundry (household/coin-operated), Toilet bowls (interior surfaces), Bathroom premises/hard surfaces, Refuse/solid waste containers (garbage cans).

Pests: Slime-forming bacteria, fungi and algae.

Formulation Types Registered:
TYPE: End use, Manufacturing use.
FORM: Soluble concentrate/solid, Pelleted/tableted.

Methods and Rates of Application:
TYPES OF TREATMENT: Circulation method, Water recirculating system treatment, Feeding and watering appliance treatment, Flush treatment, Egg treatment, Dip, Immersion, Spray, Surface treatment, Wash, Water treatment, Indoor premise treatment, Rinse, Pour-on, Wipe-on, Brush-on, Not on all labels.

EQUIPMENT: Sprayer, Automatic sprayer, Tank, Mechanical sprayer, Washing machine, Tablet dispenser, Skimmer basket, Automatic decontamination machine.

TIMING: Initial, Shock/slug, Subsequent/maintenance.

RATE OF APPLICATION:
Indoor medical: 99% active ingredient.

Available chlorine:
Aquatic non-food industrial: 1 - 199 ppm by weight.
Aquatic non-food residential: 1 - 113 ppm by weight.
Indoor food: 59 - 671 ppm by weight.
Indoor non-food: 6 - 426 ppm by weight.
Indoor residential: 106 - 426 ppm by weight.

Use Practices Limitations: None.

C. DATA REQUIREMENTS

Data required in the May 1988 Registration Standard for the chlorinated isocyanurates included studies on product chemistry, ecological effects, and toxicology. These data were required to support indoor and aquatic non-food uses of these chemicals. Both generic data (Table A) and product specific data for manufacturing-use products (Table B) were called-in. Please refer to **Appendix B** for details of the complete data base for the chlorinated isocyanurates. Appendix B includes all satisfied data requirements identified by the Agency for current use groups that are needed to support reregistration. The data tables in Appendix B reflect the Agency's reassessment of the data required for the reregistration of the chlorinated isocyanurates for the use patterns being supported.

D. REGULATORY HISTORY

The chlorinated isocyanurates were first registered in the United States in 1958 for use as disinfectants, sanitizers, algicides, and fungicides. A Data Call-In was issued March 26, 1980 for the chlorinated isocyanurates requiring additional toxicity data to assess the potential for kidney toxicity as a result of exposure to these compounds. A Registration Standard for the Chlorinated Isocyanurates was issued in May 1988 (NTIS #PB88-220660) which evaluated the studies submitted as a result of the 1980 DCI. (Note that the use index for the 1988 registration standard is available under NTIS #PB89-122147). The 1988 standard also required additional data to support the indoor and aquatic non-food uses for the chlorinated isocyanurates. This reregistration eligibility document reflects a reassessment of all data which were submitted in response to the Registration Standard.

III. SCIENCE ASSESSMENT OF THE CHLORINATED ISOCYANURATES

The Agency has conducted a thorough review of the scientific data base for the chlorinated isocyanurates for the purposes of determining the reregistration eligibility of these pesticides. These findings are summarized below.

A. PRODUCT CHEMISTRY ASSESSMENT

<u>Chemical Characteristics:</u>

Color: White.

Physical state: Crystalline solid.

Odor: Slight odor of chlorine.

Melting point: 225-250 C.

Bulk density: Powder, 0.50-0.65 g/ml; regular, 0.82-1.0 g/ml; granular, 0.85-0.96 g/ml; extra granular, 0.92-0.95 g/ml.

Solubility: Dichloro-s-triazinetrione, 0.8 g/100 g water at 25 C; potassium dichloro-s-triazinetrione, 9 g/100 g water at 25 C; sodium dichloro-s-triazinetrione, 24.8 g/100 g water at 26.8 C; trichlor-s-triazinetrione, 1.2 g/100 g water at 25 C; sodium dichloro-s-triazinetrione dihydrate, 26.2 g/100 g water at 25 C.

Vapor pressure: Very small, impossible to measure.

Stability: Stable and relatively inert when dry.

Unusual handling characteristics: Strong oxidizing agents which should be kept away from heat and flames.

The May 1988 Registration Standard required additional generic product chemistry data for each technical chlorinated isocyanurate. Although data gaps exist for some studies for some products, these requirements are not critical to the reregistration decision or environmental assessment of the chlorinated isocyanurates. The Agency is requiring additional product chemistry data at this time to satisfy these data gaps in the product chemistry data base for these chemicals.

B. HUMAN HEALTH ASSESSMENT

1. Hazard Assessment

The isocyanurates have been divided into three groups for the purposes of acute toxicity testing. The division is primarily on the basis of chemical structure and secondarily on the potential or actual effects related to the level of triazine ring chlorination. These groups are: (i) isocyanuric acid; (ii) the dichloroisocyanurate group (including the acid, the potassium salt, the sodium salt, and the dihydrated sodium salt); (iii) trichloroisocyanuric acid.

Since the chronic effects of chlorine for humans are well known, EPA determined that isocyanuric acid can represent all the chlorinated isocyanurates for the purpose of conducting metabolism, subchronic, chronic,

developmental, and mutagenicity studies. By using the nonchlorinated s-triazinetrione as the test substance, the effects of the triazinetrione moiety could be distinguished from those of the chlorine. Sodium isocyanurate was considered to be toxicologically equivalent to isocyanuric acid and, as such, was selected as a suitable test substance for the development of toxicity data.

All toxicity data requirements have been met. The effects and toxicity of the chlorinated isocyanurates are well understood and no further information is needed to evaluate human health risks.

a. Acute Toxicity

TEST	RESULTS WITH TRICHLOROISOCYANURATE	CATEGORY
Oral LD50--rat	1500 mg/kg	III
Dermal LD50--rabbit	> 10.0 g/kg	III
Eye irritation--rabbit	very irritating	I
Dermal irritation--rabbit	mild irritation	III

The available data indicate that the chlorinated isocyanurates have low acute oral and dermal toxicity but are very irritating to the eyes. The chlorinated isocyanurates are very mild primary dermal irritants and are not considered to be dermal sensitizers. Acute inhalation studies are not required because vaporization and respirable dust are not expected. Eye irritation testing with trichloroisocyanurate is not required since it is known that the chlorinated isocyanurates are generally very irritating to the eyes. Delayed neurotoxicity data are not required because the chlorinated isocyanurates are not organophosphates.

b. Subchronic Toxicity

When sodium isocyanurate was given in the drinking water for 13 weeks, the NOEL was 896 ppm (72 mg/kg/day) for male rats and 1792 ppm (522 mg/kg/day) for male mice. The toxic effects observed were hyperplasia of the urinary bladder and calculi in male mice, and hyperplasia in the lining of the urinary bladder in the male rats. The NOEL was 5375 ppm for female rats (371 mg/kg/day) and for female mice (1582 mg/kg/day).

A subchronic oral study in a nonrodent species is not required because the metabolism of sodium isocyanurate is similar in rats and dogs. Neither 21-day nor 90-day subchronic dermal studies are required because of a lack of toxicity in subchronic oral studies at doses far above use concentrations. Subchronic inhalation and neurotoxicity studies are not required for the reasons given under the associated acute topics.

c. Chronic Toxicity and Carcinogenicity

The LOEL in rats was 5375 ppm (371 mg/kg/day for males) based on decreased survival and lesions in the heart and urinary tract of males dosed in the drinking water for 2 years; the NOEL was 2400 ppm (154 mg/kg/day). Carcinogenic effects were not noted at any dose in the 2-year rat study or in a 2-year mouse study involving doses up to 5375 ppm (1523 mg/kg/day for males or 1582 mg/kg/day for females) in the drinking water. The dose level of 5375 ppm was reported to be the limit of water solubility for sodium isocyanurate. A chronic oral study in a nonrodent species is not required because the metabolism of sodium isocyanurate is similar in rats and dogs.

d. Developmental Toxicity

In rats, sodium isocyanurate was not teratogenic and the NOELs for both maternal and fetal toxicity were >5 g/kg/day. In one study in rabbits, the NOELs for maternal (weight loss) and fetal toxicity (decreased length) were 50 mg/kg/day and 200 mg/kg/day, respectively, with no teratogenic effects. Another study in rabbits found the maternal NOEL was 500 mg/kg/day (the highest dose tested), and the developmental NOEL was 200 mg/kg/day; the developmental LOEL was 500 mg/kg/day, with increased incidences of hydrocephaly and post-implantation loss.

e. Reproduction

A three-generation rat reproduction study found a NOEL of 5375 ppm for both adult reproductive and offspring effects. For adult systemic toxicity, the LOEL was 5375 ppm (371 mg/kg/day) and the NOEL was 1200 ppm (77 mg/kg/day), respectively, with urinary bladder calculi in the F2 males.

f. Mutagenicity

Sodium isocyanurate was not mutagenic in studies designed to detect the potential to induce gene mutation, structural chromosomal aberrations, or altered sister chromatid exchange frequency.

g. Metabolism

Metabolism studies in both the rat and dog, following administration of [^{14}C]sodium isocyanurate by the oral and intravenous routes, demonstrated rapid absorption, distribution, and excretion of unmetabolized isocyanurate. The elimination half-life in rats was 32-43 minutes following 5 mg/kg I.V. or oral administration. The half-life was 122-148 minutes after oral dosing at 500 mg/kg. At the 5 mg/kg dose, excretion was largely via the urine with about 5% in the feces. At the 500 mg/kg oral dose, 55-70% (rats) or 27-86% (dogs) was excreted in the feces and the remainder in the urine. These studies adequately elucidate the absorption, metabolism, and excretion of the chlorinated isocyanurates.

2. Exposure Assessment

a. Dietary Exposure

The chlorinated isocyanurates include five antimicrobial compounds as follows: dichloro-s-triazinetrione (081401), potassium dichloro-s-triazinetrione (081403), sodium dichloro-s-triazinetrione (081404), trichloro-s-triazinetrione (081405), and sodium dichloro-s-triazinetrione dihydrate (081407). These compounds will be hereafter referred to as s-triazinetrione compounds in this section.

The industrial/agricultural uses of the s-triazinetrione as a food contact surface sanitizer are not subject to residue chemistry data requirements under 40 CFR §158.125; these uses are regulated by FDA according to 21 CFR §178.1010 (b)2 and (c)2. Thus, there are currently no tolerances or exemptions from the requirements of a tolerance established for the s-triazinetrione compounds, and none are needed.

The May 1988 Guidance Document for Chlorinated Isocyanurates (page 15) required the establishment of or exemption from a tolerance for the use of chlorinated isocyanurate formulations as poultry drinking water sanitizers and as egg sanitizers because

these uses were not specifically included in the Code of Federal Regulations. This action is no longer appropriate; the uses of s-triazinetrione compounds (Chemical Code 081403, 15% SC/L, EPA Reg. No. 5185-62) in poultry drinking water have been canceled. The issue pertaining to uses of s-triazinetrione compounds as a commercial egg sanitizer is addressed in detail below.

The s-triazinetrione compounds are registered for use as food and non-food contact surface sanitizers in agricultural premises (including commercial egg wash treatments and dairy farm milk handling facilities/equipment), food/feed handling establishments, commercial/institutional/industrial sites, and residential sites. Use of the s-triazinetrione compounds as a food contact surface sanitizer (including the shells of intact eggs) is regulated by the FDA according to 21 CFR §178.1010 (b)(2) and (c)(2). This regulation stipulates that aqueous solutions containing dichloroisocyanuric acid, trichloroisocyanuric acid, or the sodium or potassium salts of these acids, with or without the bromides of potassium, sodium or calcium will not provide more than 100 ppm of available halogen determined as available chlorine. NOTE: Although 21 CFR §178.1010 does not provide specific reference to the commercial treatment of eggs for human consumption, the Agency interprets this regulation to include food-grade, intact egg shells as food contact surfaces.

There are no residue chemistry data requirements for s-triazinetrione compounds with respect to the registered uses of these compounds as food and non-food contact surface sanitizers (excluding commercial egg wash treatments). For those s-triazinetrione products with commercial egg wash treatment on the label, refer to the end-use product label requirements {section V(B)(2)(b) of this document} for further information.

b. Occupational and Residential Exposure

The 1988 Registration Standard for the Chlorinated Isocyanurates did not require occupational or residential exposure data. The chlorinated isocyanurates are used primarily as disinfectants and algicides in swimming pools and to a lesser extent in industrial cooling water systems. For these uses, the chlorinated isocyanurates are applied as solids with resulting concentrations ranging from 1-3 ppm for swimming pools and 0.5-107 ppm for industrial water

systems including cooling water, although, initial doses of up to 21.3 ppm for swimming pools and 1062 ppm for industrial water systems may be required. Other minor uses include sanitizing and disinfecting food and non-food contact surfaces and laundry sanitizing uses. For these minor uses, aqueous solutions are applied as sprays or by mopping, scrubbing, flooding, sponging, or immersion at concentrations ranging up to 1326 ppm. Note: ppm is expressed as available chlorine.

Occupational and residential exposure can be expected based on the currently registered uses of these chemicals. Current label requirements concerning swimmer exposure are as follows:

Reentry - Reentry into treated swimming pools/spas is prohibited above levels of 3 ppm of chlorine.

3. Risk Characterization

DIETARY

Dietary exposure to the chlorinated isocyanurates is not expected. There are no tolerances established for residues of these compounds because tolerances or exemptions from the requirements of a tolerance for the s-triazinetrione compounds are not necessary. A food additive regulation allowing the use of s-triazinetrione compounds as a sanitizing rinse on food-processing equipment and utensils, and on other food-contact articles (including the shells of intact eggs) has been established (21 CFR §178.1010).

OCCUPATIONAL AND RESIDENTIAL

The chlorinated isocyanurates do not appear to induce significant acute (except eye irritation), subchronic or chronic toxicity based on available information. As already mentioned in the acute toxicity discussion, it is known that these compounds are generally very irritating to the eyes.

Although some occupational and residential exposure can be expected from use of the chlorinated isocyanurates, the toxicity data indicate these compounds do not meet the Agency's toxicity criteria for the requirement of postapplication/reentry and/or mixer/loader/applicator exposure monitoring data. Accordingly, occupational and residential exposure data are not required to support the reregistration of the chlorinated isocyanurates.

C. ENVIRONMENTAL ASSESSMENT

1. Environmental Fate

The Agency has reviewed data submitted in support of registration, and the general literature, for environmental effects for chlorinated isocyanurates and their dechlorinated end-products, isocyanuric acid and cyanuric acid and has determined that the data base is adequate and will support reregistration.

In disinfection by chlorination, a chlorinating agent is added to the water in sufficient amounts so as to produce a residual free chlorine concentration after all of the chlorine demand has been satisfied. Residual free chlorine is defined as the sum of the concentrations of hypochlorous acid and hypochlorite anion; the amount of chlorination needed to reach residual free chlorine is known as breakthrough chlorination.

All of the chlorinated isocyanurates form hypochlorous acid when dissolved in water. Hypochlorous acid is a weak acid (dissociation constant 3.7×10^{-8} at 25 C) which dissociates into hypochlorite anions and hydronium ions; however, in the pH range 7 to 8 and below, hypochlorous acid is the predominant species. Hypochlorous acid (which is the species of actual pesticidal activity) is an oxidizing agent. It reacts readily with ammonia, amines, sulfides, sulfites, and nitrites present in the water. Antimicrobial activity results from the oxidation reactions with microbial enzyme systems. All of these oxidation reactions consume residual free chlorine, with the concomitant reduction of hypochlorous acid/hypochlorite to chloride anions.

Released hypochlorous acid from chlorinated isocyanurates can react with the dechlorinated isocyanurate/cyanurate moieties since there is an equilibrium between residual free chlorine and the dechlorinated moieties; this equilibrium complex reduces the loss of residual free chlorine to sunlight.[2] As free residual chlorine is used up, isocyanuric acid and cyanuric acid remain.

The moieties remaining after all chlorine is consumed are the symmetrical triazines isocyanuric acid and cyanuric acid. These two chemical's are known to co-exist in a pH-dependent equilibrium. Although they are not prone to abiotic degradation (hydrolysis; direct photolysis) or aerobic microbial degradation, anaerobic conditions favor

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[2]Betz Laboratories, Inc., Trevose, PA.,, BETZ Handbook for Industrial Water Conditioning, Seventh Edition, 1976

their rapid degradation to carbon dioxide and ammonia. The triazine moiety is essentially non-toxic, based on available mammalian metabolism and oral and dermal toxicity studies. No accumulation in mammals, fish, or non-target aquatic organisms is expected. The dechlorinated products are highly soluble in water (ca 2000 ppm) and would be rapidly excreted by aquatic organisms.

The rate and mechanism of decomposition of hypochlorous acid are dependent on pH, concentration, temperature, light, the presence of organic and inorganic matter, and the redox potential of the medium. Since hypochlorous acid is a weak acid it is found practically undissociated at the neutral pH range recommended for the use of chlorinated isocyanurates, which for swimming pool waters has been established as 7.2 to 7.6.

REFERENCES

- Wojtowicz, J.A., "Chlorine Monoxide, Hypochlorous Acid and the Hypochlorites", in Kirk-Othmer Encyclopedia of Chemical Technology, Vol.5, Wiley Interscience, New York, 3rd. Edition, 1979; pp. 580-611.

- Smolin, E.M and Rapoport, L., "S- Triazines and Derivatives", in The Chemistry of Heterocyclic Compounds, A. Weissberger, Consulting Editor, Interscience Publishers, New York, 1959; pp. 17-24 and 389-392.

- Greenwood, N.N. and Earnshaw, A. Chemistry of the Elements, Pergamon Press, Oxford, UK, 1984.

- Cotton, A.F. and Wilkinson, G. Advanced Inorganic Chemistry, John Wiley and Sons, New York, Fifth Edition, 1988.

2. Ecological Effects

The Agency has reviewed data submitted in support of registration and the general literature for ecological effects of chlorinated isocyanurates and their dechlorinated end-products isocyanuric acid and cyanuric acid and has determined that the data base is adequate and will support reregistration. The Agency has based its assessment on data developed using the chlorine derivative trichloro-s-triazinetrione. All of the chlorine derivatives will release hypochlorous acid on contact with water. Trichloro-s-triazinetrione was chosen as the test chemical because it produces the highest percent (90%) available chlorine as compared to sodium dichloro-s-triazinetrione which produces 64.2% available chlorine. Therefore, only data on

trichloro-s-triazinetrione is needed to support reregistration. However, all other data (chlorine derivatives) were evaluated and cited.

Effects on Birds

Trichloro-s-triazinetrione

Eight studies were evaluated under this topic.

Author	Date
Fink, R.	1976
Robaidek, E.	1985
Fink, R.	1975
Fink, R.	1975
Beavers, J.	1984
Robaidek, E.	1984
Beavers, J.	1984
Robaidek, E.	1984

In order to characterize the toxicity of isocyanurates to birds, valid data from the following tests on the technical material are required: Two subacute dietary studies on one species of waterfowl (preferably mallard duck) and one species of upland game bird (preferably bobwhite quail or ring-necked pheasant); an avian single-dose oral study on one species (preferably mallard duck or bobwhite quail).

The avian acute oral toxicity studies reviewed are listed below:

Species	%ai	LD50 mg/kg	Author	Date	Fulfills Guideline Rqmnts.
Mallard duck	100	1890	Fink, R.	1976	Partial*
Bobwhite quail	97	1674	Robaidek, E.	1985	Yes

* Birds were 14 days old instead of at least 16 weeks old and food was not withheld prior to dosing.

There are sufficient data available to characterize technical trichloro-s-triazinetrione as slightly toxic to birds. The avian acute oral guideline requirement has been satisfied with data from the evaluated documents.

The subacute dietary toxicity studies reviewed are listed below:

Species	% ai	LC_{50} (ppm)	Author	Date	Fulfills Guideline Requirements
Bobwhite quail	100	7235	Fink, R.	1975	Yes
Mallard duck	100	>10,000	Fink, R.	1975	Yes
Mallard duck	?*	>5620	Beavers, J.	1984	Partial
Mallard duck	?*	>5000	Robaidek, E.	1984	Partial
Bobwhite quail	?*	>5620	Beavers, J.	1984	Partial
Bobwhite quail	?*	>5000	Robaidek, E.	1984	Partial

*The avian dietary LC_{50} studies partially satisfy the requirement because the percent of ai is unknown.

There are sufficient data available to characterize trichloro-s-triazinetrione as practically nontoxic to upland game birds when administered in their feed. The guideline requirements for an avian subacute dietary toxicity test on the technical grade of trichloro-s-triazinetrione was satisfied by data contained in the evaluated documents.

Effects on Fish

Four studies were evaluated under this topic.

Author	Date
McCann, J.A.; Pitcher, F.G.	1973
McCann, J.A.; Pitcher, F.G.	1973
Barrows, B.	1985
Barrows, B.	1984

The minimum data required for characterizing the acute toxicity of isocyanurates to fish are the results of two 96-hour studies with technical grade material. The studies must be performed on one coldwater species (preferably rainbow trout) and one warmwater species (preferably bluegill sunfish).

The fish acute toxicity studies reviewed are listed below:

Species	% ai	LC_{50} (ppm)	Author	Date	Fulfills Guideline Requirements
Rainbow trout	100	0.37	McCann, J.A.,; Pitcher, F.G.	1973	Yes
Rainbow trout	100	0.33	McCann, J.A.; Pitcher, F.G.	1973	Yes
Rainbow trout	?*	0.08	Barrows, B.	1985	No
Bluegill sunfish	100	0.20	Barrows, B.	1984	Yes

*A formulated product was used instead of technical grade material.

There are sufficient data available to characterize trichloro-s-triazinetrione as very highly toxic to fish. The fish acute guidelines requirement has been satisfied by data contained in the evaluated documents.

Chronic Effects on Fish (From Sodium Hypochlorite Standard)

The maximum allowable toxic concentration (MATC) ranged from 0.11 to 0.23 ppm for fathead minnow (21-day study).

Effects on Invertebrates

Three studies were evaluated under this topic.

Author	Date
LeBlanc, G.A.	1976
Barrows, B.	1985
Surprenant, D.; Hoberg J.	1984

The minimum data required to characterize the acute toxicity of isocyanurates to freshwater invertebrates is a 48-hour aquatic study with the technical grade material. The test organisms should be first instar *Daphnia magna* or early instar amphipods, stoneflies, or mayflies.

The freshwater invertebrates studies reviewed are listed below:

Species	%ai	LC_{50} (ppm)	Author	Date	Fulfills Guideline Requirements
Daphnia magna	?*	0.25	LeBlanc, G.A.	1976	Partial
Daphnia magna	100	0.19	Barrows, B.	1985	Yes
Daphnia magna	100	0.8	Surprenant, D; Hoberg, J.	1985	Yes

*The percent of active ingredient is unknown.

There are sufficient data available to characterize technical trichloro-s-triazinetrione as highly toxic to freshwater invertebrates. The invertebrate Guidelines requirement has been satisfied by the evaluated documents.

Chronic Effects on Invertebrates (From the Sodium Hypochlorite Standard)

The MATC ranged from 0.11 to 0.4 ppm for American oysters (30-day study).

Effects on Estuarine and Marine Organisms

No studies were submitted for review on the isocyanurates. However, data cited in the Sodium Hypochlorite Standard are being utilized to support this Reregistration Eligibility Document because all of the chlorine derivatives will release hypochlorous acid on contact with water.

Sixteen studies from the Sodium Hypochlorite Standard were included under this topic.

Author	Date
Roosenburg et al.	1980
Roberts et al.	1975
Roberts and Gleeson	1978
Roberts et al.	1975
Roberts and Gleeson	1975 and 1978
Roberts et al.	1978 and 1979
Roberts et al.	1978 and 1979
Thatcher	1978
Buckley	1976
Thatcher	1978
Roberts et al.	1975
Bellance and Bailey	1977
Thatcher	1978
Roberts et al.	1975
Thatcher	1978
Roberts et al	1978 and 1979

Estuarine and marine organism toxicity tests on technical and formulated pesticides are required to support registration if there is an intended direct application to an estuarine or marine environment or if the pesticide may be expected to enter these environments in significant concentrations because of use or mobility pattern. These studies include acute LC_{50} testing on shrimp, oyster, and estuarine fish.

Acute estuarine and marine testing will be required on the hypochlorite salts since hypochlorites are discharged into estuarine and marine waterways.

The following information is taken from Ambient Water Quality Criteria for Chlorine, prepared for U.S. EPA, Environmental Criteria and Assessment Office, Cincinnati, Ohio, by Tobler, J.; Cohn, W.E., Jolley, R.; Carpenter, J.; Ferguson, M.; Stair, D.; Sigmon, C.; Hinkle, C.; Mattice, J.; Middaugh, D.; Cummings,R.; Science Applications, Inc., Oak Ridge, Tennessee, June 29, 1981.

Species	LC_{50} ppm
American oyster	
(*Crassostra virginica*)	
(larvae)	48-hr 0.026
(Straight-hinged larvae)	96-hr 0.046
(Juvenile)	96-hr 0.023
Copepod	48-hr 0.05
(*Acartia tonsa*)	48-hr 0.029-0.067
Crab	
(*Pagarus longicarpus*)	
(larvae)	96-hr 0.06
Crab	
(*Panoplus herbstii*)	48-hr 0.06
(larvae)	96-hr 0.02-0.04
Shrimp	
(*Pandalus goniurus*)	96-hr 0.09
Coho salmon	96-hr 0.07
	96-hr 0.032
Atlantic silverside	96-hr 0.037
Spot	96-hr 0.09
Pacific sand lance	
(juvenile and adult)	96-hr 0.082
Naked goby	96-hr 0.08
English sole	96-hr 0.073

There are sufficient data to characterize sodium hypochlorite as very highly toxic to estuarine and marine organisms. The Guidelines requirement for estuarine and marine organism testing has been satisfied.

Chronic Effects on Estuarine and Marine Organisms (From Sodium Hypochlorite Standard)

No studies were submitted for review on the isocyanurates. However, data in the Sodium Hypochlorite Standard are being utilized to support this Reregistration Eligibility Document.

Four studies from the Sodium Hypochlorite Standard were included under this topic.

Author	Date
Linden et al.	1977
Buckley et al.	1976
Bongerts et al.	1977
Linden et al.	1980

The following is taken from Ambient Water Quality Criteria for Chlorine, prepared for U.S. EPA, Environmental Criteria and Assessment Office, Cincinnati, Ohio, by Tobler, J.; Cohn, W.E.; Jolley, R.; Carpenter, J.; Ferguson, M.; Stair, D,; Sigmon, C.; Hinkle, C.; Mattice, J.; Middaugh, D.; Cumming, R.; Science Applications, Inc., Oak Ridge, Tennessee, June 29, 1981.

Embryolarvae and/or life cycle tests on the technical and formulated pesticide are required to support registration if the pesticide product is used in or is expected to be transported to water from the intended use site.

Species	Exposure Time	Conc. (ppm)	Effect
American oyster (*Crassostrea virginica*)	15 days	0.035 - 0.085	14% - 34% reduction in shell deposition
	15 days	0.014 - 0.062	14% - 34% reduction in shell deposition
Coho salmon	12 weeks	0.003 - 0.009	Reduction in hemoglobin and hematocrit; lysed erythrocytes; increased number of immature and abnormal cells.
Spot	20 days	0.014 - 0.062	Decreased blood pH

There is sufficient information to characterize the hypochlorites as chronically very highly toxic to estuarine and marine invertebrates and fish.

ECOLOGICAL EFFECTS PROFILE

Technical Trichloro-s-triazinetrione

a. Avian Studies

Acute oral LD_{50}s of 1674 and 1890 mg/kg were determined for bobwhite quail and mallard duck, respectively, given oral doses of technical trichloro-s-triazinetrione (Robaidek 1985, 1500962; Fink, R. 1976, 132603). Trichloro-s-triazinetrione can be characterized as slightly toxic to birds when administered as an acute oral dose.

Subacute dietary LC_{50}s ranging from > 5000 ppm to > 10,000 were determined for bobwhite quail and mallard duck for technical trichloro-s-triazinetrione (Robaidek 1984, 150964; Fink, R. 1975, 132426). Trichloro-s-triazinetrione can be characterized as practically nontoxic to birds when administered in the diet.

b. Aquatic Studies

Acute 96-hour LC_{50}s of 0.08 and 0.20 ppm were determined for rainbow trout and bluegill sunfish, respectively (Barrows 1985, 150966; Barrows 1984, 150965). Technical trichloro-s-triazinetrione can be characterized as very highly toxic to coldwater fish and highly toxic to warmwater fish.

c. Aquatic Invertebrates

An acute 48-hour LC_{50} of 0.19 ppm was determined for Daphnia magna (Barrows 1985, 1500967). Technical trichloro-s-triazinetrione can be characterized as highly toxic to freshwater invertebrates.

d. Estuarine and Marine Organisms

An acute 48-hour EC_{50} of 0.26 ppm and 96-hour LC_{50} of 0.09 ppm for oyster and spot (see Sodium Hypochlorite Standard, A. Stavola 1981). Trichloro-s-triazinetrione can be characterized as very highly toxic to estuarine and marine organisms.

3. Risk Assessment

Exposure of nontarget organisms to chlorinated isocyanurates may occur via indirect discharge (effluents) or via accidental release (spills). The Agency does not conduct hazard assessments based on these routes of exposure but does, however, require some basic studies to establish precautionary label statements:

Precautionary Labeling

Manufacturing-use and end-use products used where an effluent may occur.

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

IV. RISK MANAGEMENT AND REREGISTRATION DECISION FOR THE CHLORINATED ISOCYANURATES

A. DETERMINATION OF ELIGIBILITY

Section 4(g)(2)(A) of FIFRA calls for the Agency to determine, after submission of relevant data concerning an active ingredient, whether products containing the active ingredient are eligible for reregistration. The Agency has previously identified and required the submission of the generic (i.e., active ingredient specific) data required to support reregistration of products containing chlorinated isocyanurate as an active ingredient. The Agency has completed its review of these generic data, and has determined that the data are sufficient to support reregistration of products containing chlorinated isocyanurate. Appendix B identifies the generic data requirements that the Agency reviewed as part of its determination of reregistration eligibility of the chlorinated isocyanurates, and lists the submitted studies that the Agency found acceptable.

The data identified in Appendix B are sufficient to allow the Agency to conduct a reasonable risk assessment for the registered uses of the chlorinated isocyanurates. The data available to the Agency support the conclusion that the registered uses of the chlorinated isocyanurates will not result in unreasonable adverse effects to the environment. The Agency has determined that all products which contain the chlorinated isocyanurates as the active ingredient are eligible for reregistration for all registered uses. The reregistration of particular products is addressed in section V of this document.

The Agency made its reregistration eligibility determination based upon the target data base required for reregistration, the current guidelines for conducting

acceptable studies to generate such data, and the data identified in Appendix B. Although the Agency has found that products containing the chlorinated isocyanurates are eligible for reregistration, it should be understood that the Agency may take appropriate regulatory action, and/or require the submission of additional data to support reregistration of products containing the chlorinated isocyanurates, if new information comes to the Agency's attention or if the data requirements for registration (or the guidelines for generating such data) change.

The following is a summary of the regulatory positions and rationales for the chlorinated isocyanurates. Where label revisions are imposed, specific language is set forth in Section V of this document.

Eligibility Decision

The Agency has sufficient information on the health effects of the chlorinated isocyanurates and on their potential for causing adverse effects in fish and wildlife and the environment for all uses registered for these chemicals. The Agency therefore concludes that products containing the chlorinated isocyanurates for these uses are eligible for reregistration. Only product chemistry data on certain manufacturing use products are still needed. The Agency has determined that the chlorinated isocyanurate products, labeled and used as specified in this Reregistration Eligibility Document, will not pose unreasonable risks or adverse effects to humans or the environment.

Eligible and Ineligible Uses

The Agency has determined that all aquatic food and non-food industrial and residential, greenhouse food, Indoor Medical and Indoor residential, as well as, all Indoor food and non-food uses are eligible for reregistration at this time.

B. REGULATORY POSITION

Tolerance Reassessment

There are currently no tolerances or exemptions from the requirements of a tolerance established for the chlorinated isocyanurate compounds and the Agency believes that none are needed. Further, there are no minor use considerations or Codex Maximum Residue Levels for the Chlorinated isocyanurates.

Endangered Species Statement

The Agency will not impose a special label advisory statement for endangered species at this time because the chlorine released from the chlorinated isocyanurates is so volatile there is little likelihood of exposure based on the registered patterns of use or from accidental spills.

Efficacy Data

Although the Agency has data in its files which adequately demonstrate the efficacy of hypochlorous acid, microbiological efficacy data will be required for some products.

V. ACTIONS REQUIRED BY REGISTRANTS

This section is designed to assist the registrant by listing all of the data requirements and responses necessary for the reregistration of both manufacturing-use (generic) and end-use (product specific) products.

A. MANUFACTURING USE PRODUCTS

1. Additional Generic Data Requirements

The generic data base supporting the reregistration of the chlorinated isocyanurates products has been reviewed and determined to be substantially complete. Although the generic product chemistry data requirements for some products are acceptable, additional product chemistry data are required to support the reregistration of other manufacturing-use/technical products. The products for which additional data are required will be reregistered once these data are submitted to and accepted by the Agency. The generic product chemistry data requirements and the products for which additional data are required are listed in Appendix F. Registrants are also reminded that any changes, since the registration standard was issued in 1988, in the manufacturing process for the technical chlorinated isocyanurates, and any detection of new impurities since that time, must be reported to the Agency.

2. Labeling Requirements for Manufacturing-Use Products

The labels and labeling of all products must comply with EPA's current regulations and requirements. Follow the instructions in the Product Reregistration Handbook with respect to labels and labeling. Any product label which

allows both manufacturing and end use must be amended to specify only manufacturing or end use. In this situation, if a registrant amends his/her label to specify manufacturing use only and wishes to retain end use registration, he/she must apply for a separate end-use product registration.

Based on the reviews of the generic data, the following additional (or revised) label statements are required:

a. In the directions for use, the following statement must appear:

"Formulators using this product are responsible for obtaining EPA registration of their formulated products."

b. In the directions for use, the following statement regarding acceptable use patterns must appear:

"For formulation into end-use products intended for (list acceptable sites)."

c. The following Environmental Hazard statement is required for any use that results in discharge into the aquatic environment:

"This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA."

d. Under the Note to Physician, located near the Statement of Practical Treatment, the "If Swallowed" statement must read as follows:

"IF SWALLOWED, drink large amounts of water. DO NOT induce vomiting. Avoid alcohol. Call a physician or poison control center immediately."

For products in category I for eye irritation, add the following:

"Probable mucosal damage may contraindicate the use of gastric lavage."

e. The current label claim for the technical chlorinated isocyanurates must be revised to reflect the nominal concentrations of the active ingredients as required in PR Notice 91-2.

B. END USE PRODUCTS

1. Additional Product-Specific Data Requirements

Based on the reviews of the generic data for chlorinated isocyanurates, the products containing the chlorinated isocyanurates are eligible for reregistration. Section 4(g)(2)(B) of FIFRA calls for the Agency to obtain any needed product-specific data regarding the pesticide after a determination of eligibility has been made. The product specific data requirements are listed in Appendix G, the Product Specific Data Call-In Notice.

If registrants have previously submitted these data, they must review the data submissions to ensure that they meet current EPA acceptance criteria (Appendix G; Attachment F) and if not, commit to conduct new studies. If the registrant believes that previously submitted data meet current testing standards, then study MRID numbers should be cited according to the instructions in the Requirement Status and Registrants Response Form provided for each product.

The Agency has decided to continue its current policy of waiving the product-by-product efficacy data requirement normally levied on sanitizers and disinfectants for chlorinated isocyanurate formulations. The Agency has concluded that the published literature can reasonably be extrapolated to the full range of these products. For those products for which this waiver cannot be granted product specific efficacy requirements will be provided.

2. Label Requirements for End-Use Products

The labels and labeling of all products must comply with EPA's current regulations and requirements. Follow the instructions in the Product Reregistration Handbook with respect to labels and labeling. Any product label which allows both manufacturing and end use must be amended to specify <u>only</u> manufacturing <u>or</u> end use. In this situation, if a registrant amends his/her label to specify manufacturing use only and wishes to retain end use registration, he/she must apply for a separate end-use product registration.

The Agency has determined that the current label precautions are still applicable and are required for

product reregistration. The following additional (or revised) label statements are required:

a. The labels must include the following reentry statement: Reentry into treated swimming pool/spas is prohibited above levels of 3 ppm of clorine.

b. Chlorinated isocyanurate products with commercial egg wash treatment on the label must contain the following:

Only clean, whole eggs can be used for sanitizing. Dirty, cracked or punctured eggs cannot be sanitized.

If the product is intended for use as both a cleaner and a sanitizer, separate directions for use as a cleaner must be provided and followed by a potable water rinse, preceding the directions for use as a sanitizer with a fresh solution.

The directions for use in sanitizing eggs must be similar to the following:

> "To sanitize clean shell eggs intended for food or food products, spray with a solution of x ounce(s) of product in x gallon(s) of water (providing x ppm active). The solution must be equal to or warmer than the eggs, but not to exceed 130°F. Wet eggs thoroughly and allow to drain. Eggs that have been sanitized with this chlorine compound may be broken for use in the manufacture of egg products without a prior potable water rinse. Eggs must be reasonably dry before casing or breaking. The solution must not be reused for sanitizing eggs."
>
> x = Specify

If the product is intended or recommended for use in plants operating under the U.S. Department of Agriculture egg grading and egg products inspection programs, authorization must be obtained for the specific product. You should consult:

> Compounds and Packaging Section
> Food Ingredient Assessment Division, PSB
> U.S. Department of Agriculture, FSIS
> Building 306, BARC-East
> Beltsville, MD 20705

If there is any question concerning compliance of the product with 21 CFR 178.1010, you should consult:

Division of Food and Color Additives
HF-330 CFSAN
Food and Drug Administration
200 C Street SW
Washington, D.C. 20209

c. Label claims for end-use products containing chlorinated isocyanurates must be revised to reflect the nominal concentration of the active ingredient(s) in accordance with PR Notice 91-2.

APPENDIX A

Table of Chlorinated Isocyanurate Use Patterns Subject to Reregistration

APPENDIX A - Case 0569, [Chlorinated isocyanurates] Chemical 081401 [Dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
FEED/FOOD USES													
Site: Dairy Farm Milk Handling Facilities/Equipment (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	234 W	234 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2)
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	234 W	234 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2)
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
Site: Dairies/Cheese Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
Site: Food Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR FOOD)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Eating Establishments Food Serving Areas (Nonfood Contact) (Use Group: INDOOR FOOD)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081401 [Dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations Allowed	Geographic Limitations Disallowed	Use Pattern Limitations (see see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Eating Establishments Food Serving Areas (Nonfood Contact) (Use Group: INDOOR FOOD) *(Continued from previous page)*													
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
NON-FEED/NON-FOOD USES													
Site: Household/Domestic Dwellings Indoor Premises (Use Group: INDOOR RESIDENTIAL)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Household/Domestic Dwellings Contents (Use Group: INDOOR RESIDENTIAL)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Residential Floors (Use Group: INDOOR RESIDENTIAL)													
scrub, NOL, brush, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
scrub, NOL, mechanical scrubber, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Hospitals/Medical Institutions Premises (Human/Veterinary) (Use Group: INDOOR MEDICAL)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Hospital Noncritical Items (Bedpans/Furniture) (Use Group: INDOOR MEDICAL)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Hospital/Medical Institutions Non-Conductive Floors (Use Group: INDOOR MEDICAL)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081401 [Dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Commercial/Institutional/Industrial premises/Equipment (Indoor) (Use Group: INDOOR NON-FOOD)													
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
sponge-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
wipe-on, NOL, cloth, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
Site: Commercial/Institutional/Industrial Premises/Equipment (Indoor) (Use Group: INDOOR NON-FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
indoor premise treatment, NOL, NOL, hard				SC/S	117 W	117 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
Site: Commercial/Institutional/Industrial Floors (Use Group: INDOOR NON-FOOD)													
scrub, NOL, brush, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)
scrub, NOL, mechanical scrubber, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10)

Abbreviations used

Header: max = maximum; min = minimum; Apps = applications
Form: SC/S = Soluble Concentrate/Solid
Rate: ppm avail cl = parts per million of available chlorine; W = by Weight; NC = not calculated
In general: NA = not applicable; NS = not specified; NOL = not on the label

Use pattern limitations:
A 06 = potable water rinse (non-residual claim)
A 08 = precleen claim
A 10 = minutes contact time

APPENDIX A - Case 0569, Chlorinated Isocyanurates; Chemical 081403 [Potassium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
FOOD/FEED													
Site: Egg Washing Treatments (commercial) (Use Group: INDOOR FOOD)													
spray, NOL, sprayer, hard				SC/S	99 W	99 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
spray, NOL, NOL, hard				SC/S	111 W	153 W	NS	NS	NA	NA	NA	NA	A 08.
immersion, NOL, NOL, hard				SC/S	111 W	111 W	NS	NS	NA	NA	NA	NA	C 23; A 10 (3).
rinse, NOL, NOL, hard				SC/S	44 W	44 W	NS	NS	NA	NA	NA	NA	C 23.
wash, NOL, by hand, hard				SC/S	111 W	111 W	NS	NS	NA	NA	NA	NA	C 23; A 10 (3).
wash, NOL, sprayer, hard				SC/S	111 W	111 W	NS	NS	NA	NA	NA	NA	C 23.
wash, NOL, tank, hard				SC/S	80 W	80 W	NS	NS	NA	NA	NA	NA	NA
Site: Egg Washing Treatments (hatching) (Use Group: INDOOR FOOD)													
spray, NOL, sprayer, hard				SC/S	99 W	99 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
wash, NOL, NOL, hard				SC/S	55 W	55 W	NS	NS	NA	NA	NA	NA	A 10 (3); C 23.
Site: Dairy Farm Milk Handling Facilities/Equipment (Use Group: INDOOR FOOD)													
circulation method, NOL, NOL, hard				SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (10); A 26 (15).
fog, NOL, NOL, hard				SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (10).
rinse, NOL, NOL, hard				SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A10 (10).
spray, NOL, NOL, hard				SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A10 (10).
wash, NOL, brush, hard				SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (10); A 26 (15).
surface treatment, NOL, NOL, hard				P/T	192 W	192 W	NS	NS	NA	NA	NA	NA	A 02.
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	102 W	248 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
circulation method, NOL, NOL, hard				SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A08; A 25 (10); A 26 (15).
wash, NOL, brush, hard				SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (10); A 26 (15).
immersion, NOL, NOL, hard				SC/S	248 W	248 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Food Processing Water Systems (Use Group: INDOOR FOOD)													
immersion, NOL, NOL, NA				SC/S	332 W	332 W	NS	NS	NA	NA	NA	NA	A 08; A 06; A 10 (10).

APPENDIX A - Case 0569, Chlorinated Isocyanurates; Chemical 081403 [Potassium dichloro-s-triazinetrione]

Application Type / Application Timing / Application Equipment / Surface type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (see Abbreviations)
Site: Food Processing Plant Premises (nonfood contact) (Use Group: INDOOR FOOD)										
surface treatment, NOL, NOL, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 23.
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
brush-on, NOL, brush, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
spray, NOL, NOL, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
soak, NOL, NOL, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
Site: Dairies/cheese processing plant premises (nonfood contact) (Use group: INDOOR FOOD)										
surface treatment, NOL, NOL, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 23.
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
Site: Meat Processing plant Premises (nonfood contact) (Use Group: INDOOR FOOD)										
indoor premise treatment, NOL, NOL, hard	SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 08.
indoor premise treatment, NOL, NOL, porous	SC/S	1326 W	1326 W	NS	NS	NA	NA	NA	NA	A 08.
surface treatment, NOL, NOL, hard	SC/S	99 W	99 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 18; C 23.
Site: Poultry Processing Plant Premises (nonfood contact) (Use Group: INDOOR FOOD)										
indoor premise treatment, NOL, NOL, hard	SC/S	442 W	442 W	NS	NS	NA	NA	NA	NA	A 08.
indoor premise treatment, NOL, NOL, porous	SC/S	1326 W	1326 W	NS	NS	NA	NA	NA	NA	A 08.
surface treatment, NOL, NOL, hard	SC/S	99 W	99 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 18; C 23.
Site: Food Processing Plant Equipment (food contact) (Use Group: INDOOR FOOD)										
immersion, NOL, tank, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
spray, NOL, sprayer, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
surface treatment, NOL, NOL, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
dip, NOL, NOL, hard	SC/S	55 W	99 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
equipment treatment, NOL, NOL, hard	SC/S	100 W	102 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23.
immersion, NOL, NOL, hard	SC/S	103 W	103 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2).

APPENDIX A - Case 0569, Chlorinated Isocyanurates; Chemical 081403 [Potassium dichloro-s-triazinetrione]

Application Type / Application Timing / Application Equipment / Surface type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appls.	Max. # Appls. @ Max. Rate	Min. Interval Between Appls. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
Site: Food Processing Plant Equipment (food contact) (Use Group: INDOOR FOOD) (continued from previous page)										
brush-on, NOL, brush, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
circulation method, NOL, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
spray, NOL, NOL, hard	SC/S	606 W	1213 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
soak, NOL, NOL, hard	SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23.
Site: Dairies/Cheese Processing Plant Equipment (food contact) (Use Group: INDOOR FOOD)										
immersion, NOL, tank, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
spray, NOL, sprayer, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
surface treatment, NOL, NOL, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
dip, NOL, NOL, hard	SC/S	55 W	99 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, sprayer, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10(1); A 25 (2); A 26 (5); C 23.
equipment treatment, NOL, NOL, hard	SC/S	100 W	102 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23.
equipment treatment, NOL, NOL, hard	P/T	187 W	187 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23.
immersion, NOL, NOL, hard	SC/S	103 W	103 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2).
Site: Meat Processing Plant Equipment (food contact) (Use Group: INDOOR FOOD)										
equipment treatment, NOL, NOL, hard	SC/S	99 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 18; C 23.
immersion, NOL, NOL, hard	SC/S	103 W	103 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2).
Site: Poultry Processing Plant Equipment (food contact) (Use Group: INDOOR FOOD)										
equipment treatment, NOL, NOL, hard	SC/S	99 W	442 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 18; C 23.
Site: Eating Establishments Equipment/Utensils (food contact) (Use Group: INDOOR FOOD)										
immersion, NOL, tank, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
spray, NOL, sprayer, hard	SC/S	55 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
surface treatment, NOL, NOL, hard	SC/S	221 W	221 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
dip, NOL, NOL, hard	SC/S	55 W	99 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
immersion, NOL, NOL, hard	SC/S	102 W	124 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23.
equipment treatment, NOL, NOL, hard	SC/S	102 W	102 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
scrub, NOL, NOL, hard	SC/S	4720 W	4720 W	NA	NS	NA	NA	NA	NA	NA
equipment treatment, NOL, NOL, hard	P/T	94 W	94 W	NS	NS	NA	NA	NA	NA	NA

APPENDIX A - Case 0569, Chlorinated Isocyanurates; Chemical 081403 [Potassium dichloro-s-triazinetrione]

Application Type / Application Timing / Application Equipment / Surface type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
Site: Eating Establishments Equipment/Utensils (food contact) (Use Group: INDOOR FOOD) (continued from previous page)										
rinse, NOL, NOL, hard	SC/S	266 W	266 W	NS	NS	NA	NA	NA	NA	A 08.
Site: Household/Domestic Dwellings Indoor Premises (Use Group: INDOOR RESIDENTIAL)										
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
scrub, NOL, NOL, hard	SC/S	4720 W	4720 W	NS	NS	NA	NA	NA	NA	NA
Site: Household/Domestic Dwellings Contents (Use Group: INDOOR RESIDENTIAL)										
scrub, NOL, NOL, hard	SC/S	4720 W	4720 W	NS	NS	NA	NA	NA	NA	NA
Site: Residential Floors (Use Group: INDOOR RESIDENTIAL)										
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
spray, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
NON-FOOD/NON-FEED										
Site: Hospitals/Medical Institutions Premises (Use Group: INDOOR MEDICAL)										
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
Site: Toilet Bowls (interior surfaces) Use Group: INDOOR RESIDENTIAL)										
scrub, NOL, NOL, NOL* (hard)	SC/S	4720 W	4720 W	NS	NS	NA	NA	NA	NA	NA
surface treatment, NOL, brush, hard	P/T	749 W	749 W	NS	NS	NA	NA	NA	NA	NA
Site: Bathroom Premises/Hard Surfaces (Use Group: INDOOR RESIDENTIAL)										
scrub, NOL, NOL, hard	SC/S	4720 W	4720 W	NS	NS	NA	NA	NA	NA	NA
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL)										
water treatment, initial, NOL, NA	SC/S	1 W	4 W	NS	NS	NS, 1	NA	NA	NA	A 23 (7.2); A 24 (7.6, 7.8).
water treatment, shock/slug, NOL, NA	SC/S	2 W	9 W	NS	NS	NS, 7, 14	NA	NA	NA	A 23 (7.2); A 24 (7.6, 7.8); C 18; C 23.

APPENDIX A - Case 0569, Chlorinated Isocyanurates; Chemical 081403 [Potassium dichloro-s-triazinetrione]

Application Type / Application Timing / Application Equipment / Surface type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) (continued from previous page)										
water treatment, subsequent/maintenance, NOL, NA	SC/S	<1 W	2 W	NS	NS	NS, 1, 2	NA	NA	NA	A 23 (7.2); A 24 (7.6, 7.8); C 18; C 23.
water treatment, initial, portable chlorinator, NA	SC/S	2 W	2 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6).
water treatment, subsequent/maintenance, portable chlorinator, NA	SC/S	2 W	2 w	NS	NS	NS	NA	NA	NA	A 23 (7.2); A 24 (7.6).
Site: Eating Establishments Food Handling Areas (nonfood contact) (Use Group: INDOOR NON-FOOD)										
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
surface treatment, NOL, NOL, hard	P/T	192 W	192 W	NS	NS	NA	NA	NA	NA	NA
Site: Eating Establishments Food Serving Areas (nonfood contact) (Use Group: INDOOR NON-FOOD)										
indoor premise treatment, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
spray, NOL, sprayer, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (1); C 23.
Site: Commercial/Institutional/Industrial Floors (Use Group: INDOOR NON-FOOD)										
surface treatment, NOL, NOL, hard	P/T	192 W	192 W	NS	NS	NA	NA	NA	NA	NA
Site: Laundry (commercial) (Use Group: INDOOR NON-FOOD)										
wash, NOL, NOL, porous	P/T	469 W	469 W	NS	NS	NA	NA	NA	NA	NA
Site: Refuse/Solid Waste Containers (garbage cans) (Use Group: INDOOR NON-FOOD)										
surface treatment, NOL, NOL, hard	P/T	187 W	187 W	NS	NS	NA	NA	NA	NA	NA

Abbreviations used

Header: max = maximum; min = minimum; apps = applications
Form: G = Granular; I = Impregnated material; P/T = Pelleted/Tableted; SC/L = Soluble Concentrate/Liquid; SC/S = Soluble Concentrate/Solid; FNI/S = Form Not Identified/Solid
Rate: AI = active ingredient; ppm = parts per million; Vol. = by volume; W = by weight

n/a = not applicable
NOL = not on label
NS = not specified
NC = no calculation
NA = not applicable

Use Pattern Limitations
* = All codes not on all labels.
A 02 = Inedible product area.
A 06 = Potable water rinse.
A 08 = Preclean claim.
A 23 = pH, minimum in parentheses
A 24 = pH, maximum in parentheses
A 25 = Minimum contact time, minutes in parentheses.
A 26 = Maximum contact time, minutes in parentheses.
C 18 = Do not discharge effluent containing this pesticide into sewage systems without notifying sewage treatment plant authority.
C 23 = NPDES license restriction.
C 24 = Do not discharge effluent containing this pesticide into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction)

APPENDIX A - Case 0569, [Chlorinated isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
FEED/FOOD USES													
Site: Poultry (Egg/Meat) (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	567 W	567 W	NS	NS	NA	NA	NA	NA	A 06; A 08
feeding and watering appliance treatment, NOL, NOL, hard				SC/S	567 W	567 W	NS	NS	NA	NA	NA	NA	A 06; A 08
indoor premise treatment, NOL, NOL, hard				SC/S	567 W	567 W	NS	NS	NA	NA	NA	NA	A 06; A 08
transportation vehicle treatment, NOL, NOL, hard				SC/S	567 W	567 W	NS	NS	NA	NA	NA	NA	A 06; A 08
indoor premise treatment, NOL, sprayer, hard				SC/S	1062 W	1062 W	NS	NS	NA	NA	NA	NA	A 08
rinse, NOL, NOL, hard				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
spray, NOL, sprayer, hard				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
Site: Egg Handling Equipment (Commercial) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (1); C 23
equipment treatment, NOL, NOL, hard				SC/S	202 W, NC	202 W, NC	NS	NS	NA	NA	NA	NA	A 06; A 25 (1); C 23
mop, NOL, mop, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (1); C 23
spray, NOL, NOL, hard				SC/S	98 W, NC	98 W, NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1); A 25 (2); C 23
Site: Egg Washing Treatments (Commercial) (Use Group: INDOOR FOOD)													
spray, NOL, mechanical sprayer, hard				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	C 23
egg treatment, NOL, NOL, hard				SC/S	12797 V	12797 V	NS	NS	NA	NA	NA	NA	NA
spray, NOL, sprayer, hard				SC/S	102 W	102 W	NS	NS	NA	NA	NA	NA	A 08; C 23
rinse, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (1); C 23
spray, NOL, NOL, hard				SC/S	165 W	330 W	NS	NS	NA	NA	NA	NA	C 23
spray, NOL, sprayer, hard				SC/S	101 W	101 W	NS	NS	NA	NA	NA	NA	A 08
wash, NOL, NOL, hard				SC/S	118 W	236 W	NS	NS	NA	NA	NA	NA	A 08; C 23
spray, NOL, mechanical sprayer, hard				SC/S	119 W	119 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site Egg Handling Rooms (Commercial) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	202 W	202 W	NS	NS	NA	NA	NA	NA	A 06

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Egg Washing Treatments (Hatching) (Use Group: INDOOR FOOD)													
spray, NOL, mechanical sprayer, hard				SC/S	106 W	119 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Dairy Farm Milk Handling Facilities/Equipment (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	101 W	913 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (4); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
wipe-on, NOL, NOL, hard				SC/S	228 W	228 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD)													
immersion, NOL, tank, hard				T/P SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				T/P SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	114 W	NS	NS	NA	NA	NA	NA	A 10 (2); A 25 (1)
equipment treatment, NOL, cloth, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
equipment treatment, NOL, machine apparatus, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
circulation method, NOL, NOL, hard				SC/S	98 W	151 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30); C 23
immersion, NOL, NOL, hard				SC/S	102 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (4); C 23
spray, NOL, NOL, hard				SC/S	102 W	165 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (4); C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard				SC/S	105 W	134 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (5); C 23
equipment treatment, NOL, NOL, hard				SC/S	94 W	134 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); A 25 (5); C 23
equipment treatment, NOL, by hand, hard				T/P	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
circulate-in-place (CIP) treatment, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
immersion, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, hard				SC/S	98 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD) *(Continued from previous page)*													
spray, NOL, sprayer, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
brush-on, NOL, brush, hard				SC/S	107 W	151 W	NS	NS	3	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30); C 23
wipe-on, NOL, NOL, porous				SC/S	913 W	913 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (4)
dip, NOL, NOL, hard				SC/S	107 W	165 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
brush-on, NOL, NOL, hard				SC/S	165 W	165 W	NS	NS	NA	NA	NA	NA	A 25 (2); C 23
wipe-on, NOL, NOL, hard				SC/S	125 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
soak, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
Site: Household/Domestic Dwellings Indoor Food Handling Areas (Use Group: INDOOR FOOD)													
immersion, NOL, tank, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23
Site: Mushroom Houses-Empty Premises/Equipment (Use Group: GREENHOUSE FOOD CROP)													
wash, NOL, sprayer, hard				SC/S	102 W	102 W	NS	NS	NA	NA	NA	NA	A 08
Site: Human Drinking Water Systems (Use Group: AQUATIC FOOD CROP)													
water treatment, NOL, NOL, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (7); A 26 (15)
Site: Human Drinking Water Systems (Use Group: INDOOR FOOD)													
water treatment, surface treatment, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	101 W	644 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); C 23
spray, NOL, mechanical sprayer, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
indoor premise treatment, NOL, sprayer, hard				SC/S	94 W	1917 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
spray, NOL, NOL, hard				SC/S	4918 W	4918 W	NS	NS	NA	NA	NA	NA	A 08; C 23

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
indoor premise treatment, NOL, brush, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
indoor premise treatment, NOL, mop, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
indoor premise treatment, NOL, sponge, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
Site: Dairies/Cheese Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
indoor premise treatment, NOL, sprayer, hard				SC/S	1369 W	1917 W	NS	NS	NA	NA	NA	NA	C 23
spray, NOL, NOL, NA				SC/S	4918 W	4918 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Meat Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, sprayer, hard				SC/S	1369 W	1917 W	NS	NS	NA	NA	NA	NA	C 23
indoor premise treatment, NOL, NOL, hard				SC/S	590 W	1095 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
fog, NOL, NOL, hard				SC/S	590 W	590 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
Site: Food Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
immersion, NOL, tank, hard				T/P SC/S	59 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				T/P SC/S	59 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
dip, NOL, NOL, hard				SC/S	59 W	165 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23
equipment treatment, NOL, NOL, hard				SC/S	68 W	209 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
equipment treatment, NOL, cloth, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
equipment treatment, NOL, machine apparatus, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
circulation method, NOL, NOL, hard				SC/S	98 W	102 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
immersion, NOL, NOL, hard				SC/S	102 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Food Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
spray, NOL, NOL, hard				SC/S	98 W	165 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
equipment treatment, NOL, by hand, hard				T/P	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
circulate-in-place (CIP) treatment, NOL, NOL, hard				SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30)
circulate-in-place (CIP) treatment, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, hard				SC/S	94 W	312 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2); A 25 (5); A 25 (10); C 23
spray, NOL, sprayer, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
brush-on, NOL, brush, hard				SC/S	94 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (10); C 23
brush-on, NOL, NOL, hard				SC/S	165 W	165 W	NS	NS	NA	NA	NA	NA	A 25 (2); C 23
flush treatment, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
rinse, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
wipe-on, NOL, NOL, hard				SC/S	125 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
soak, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
equipment treatment, NOL, NOL, porous				SC/S	626 W	626 W	NS	NS	NA	NA	NA	NA	A 06; C 23
mop, NOL, mop, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
sponge-on, NOL, sponge, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
immersion, NOL, tank, hard				T/P SC/S	59 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				T/P SC/S	59 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
dip, NOL, NOL, hard				SC/S	59 W	165 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23
equipment treatment, NOL, cloth, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
equipment treatment, NOL, machine apparatus, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max # Appl.	Max # Appl @ Max Rate	Min. Interval Between Appl @ Max Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
equipment treatment, NOL, NOL, hard				SC/S	97 W	137 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
circulation method, NOL, NOL, hard				SC/S	98 W	102 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
immersion, NOL, NOL, hard				SC/S	66 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
spray, NOL, NOL, hard				SC/S	102 W	165 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
equipment treatment, NOL, by hand, hard				T/P	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
circulate-in-place (CIP) treatment, NOL, NOL, hard				SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30)
circulate-in-place (CIP) treatment, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, hard				SC/S	98 W	312 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2); A 25 (5); C 23
spray, NOL, sprayer, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
brush-on, NOL, brush, hard				SC/S	104 W	118 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2); C 23
brush-on, NOL, NOL, hard				SC/S	165 W	165 W	NS	NS	NA	NA	NA	NA	A 25 (2); C 23
flush treatment, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2)
rinse, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2)
wipe-on, NOL, NOL, hard				SC/S	125 W	125 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
soak, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
Site: Meat Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	98 W	1095 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23; C 24
circulate-in-place (CIP) treatment, NOL, NOL, hard				SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30)
circulate-in-place (CIP) treatment, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)

APPENDIX A - Case 0569, [Chlorinated isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type / Application Timing / Application Equipment / Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION										
Site: Meat Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)										
brush-on, NOL, brush, hard	SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08
circulation method, NOL, NOL, hard	SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
soak, NOL, NOL, hard	SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
wash, NOL, NOL, hard	SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)										
circulate-in-place (CIP) treatment, NOL, NOL, hard	SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (20); A 26 (30)
circulate-in-place (CIP) treatment, NOL, NOL, porous	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, porous	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
spray, NOL, sprayer, porous	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
brush-on, NOL, brush, hard	SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08
circulation method, NOL, NOL, hard	SC/S	98 W	106 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
soak, NOL, NOL, hard	SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
wash, NOL, NOL, hard	SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 08
equipment treatment, NOL, NOL, hard	SC/S	100 W	103 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 24
spray, NOL, NOL, hard	SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); C 23
Site: Eating Establishment (Use Group: INDOOR FOOD)										
indoor premise treatment, NOL, NOL, hard	SC/S	101 W	644 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard	SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 25 (1)
spray, NOL, mechanical sprayer, hard	SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
scrub, NOL, NOL, hard	SC/S	240 W	240 W	NS	NS	NA	NA	NA	NA	A 08; C 24
wipe-on, NOL, NOL, hard	SC/S	228 W	228 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
indoor premise treatment, NOL, brush, hard	SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Eating Establishment (Use Group: INDOOR FOOD) (*Continued from previous page*)													
indoor premise treatment, NOL, mop, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
indoor premise treatment, NOL, sprayer, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
indoor premise treatment, NOL, sponge, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
Site: Eating Establishments Food Handling Areas (Food Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
surface treatment, NOL, NOL, hard				SC/S	207 W	207 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD)													
immersion, NOL, tank, hard				T/P SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				T/P SC/S	101 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	114 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23
equipment treatment, NOL, NOL, hard				SC/S	102 W	102 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
immersion, NOL, NOL, hard				T/P SC/S	66 W, NC	239 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 25 (0.5); A 25 (2); C 23; C 24
wash, NOL, dishwashing machine, hard				T/P	NC	NC	NS	NS	NA	NA	NA	NA	NA
equipment treatment, NOL, by hand, hard				T/P	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
immersion, NOL, NOL, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 25 (2)
spray, NOL, sprayer, hard				SC/S	94 W	312 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 25 (5); A 25 (10); C 23
spray, NOL, sprayer, porous				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
wipe-on, NOL, NOL, hard				SC/S	125 W	240 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 24
wash, NOL, NOL, hard				SC/S	718 W	1435 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 24
spray, NOL, NOL, hard				SC/S	114 W	114 W	NS	NS	NA	NA	NA	NA	A 08
wipe-on, NOL, NOL, porous				SC/S	228 W	228 W	NS	NS	NA	NA	NA	NA	A 25 (2)
brush-on, NOL, brush, hard				SC/S	94 W	107 W	NS	NS	1	NA	NA	NA	A 08; A 25 (2); A 25 (10); C 23
dip, NOL, NOL, hard				SC/S	66 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23
immersion, NOL, sink, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 25 (1)

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Eating Establishments Equipment/Utensils (Food Fontact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
flush treatment, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
rinse, NOL, NOL, hard				SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2)
mop, NOL, mop, hard				SC/S	94 W	94 W	NS.	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
sponge-on, NOL, sponge, hard				SC/S	94 W	94 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (10); C 23
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	119 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	119 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23
spray, NOL, mechanical sprayer, hard				SC/S	119 W	119 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23
Site: Food Dispensing Equipment/Vending Machines (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	240 W	359 W	NS	NS	7	NA	NA	NA	A 08; A 25 (10); C 24
rinse, NOL, NOL, hard				SC/S	240 W	718 W	NS	NS	1	NA	NA	NA	A 08; C 24
scrub, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 24
contact and/or surface treatment, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 25 (1)
immersion, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 25 (1)
NON-FEED/NON-FOOD USES													
Site: Egg Plants/Hatcheries/Brooder Rooms/Shoe Baths (Hatching) (Use Group: INDOOR NON-FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	644 W	644 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Mushroom Houses-Empty Premises/Equipment (Use Group: INDOOR NON-FOOD)													
wash, NOL, sprayer, hard				SC/S	205 W	511 W	NS	NS	NA	NA	NA	NA	A 08
Site: Residential Floors (Use Group: INDOOR RESIDENTIAL)													
indoor premise treatment, NOL, mechanical sprayer, hard				SC/S	101 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); A 25 (2); A 26 (5); C 23
pour-on, NOL, NOL, hard				SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	47 W	101 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max # Appl @ Max. Rate	Min. Interval Between Appl. @ Max Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD) *(Continued from previous page)*													
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	13 W	47 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	47 W	101 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	13 W	101 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water treatment, initial, NOL, NA				SC/S	<1 W, NC	11 W, NC	NS	NS	7	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.4); A 23 (7.5); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 23; C 24
water treatment, shock/slug, NOL, NA				SC/S	<1 W, NC	139 W, NC	NS	NS	1 7 14	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.4); A 23 (7.5); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 23; C 24
water treatment, subsequent/maintenance, NOL, NA				SC/S	<1 W, NC	9 W, NC	NS	NS	1 2	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.4); A 23 (7.5); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 23; C 24
water treatment, NOL, NOL, NA				SC/S	NC	NC	NS	NS	3.5 7	NA	NA	NA	A 23 (7.2); A 23 (7.4); A 24 (7.5); A 24 (7.6; A 24 (7.8); C 23; C 24
water treatment, initial, skimmer basket, NA				SC/S	4 W, NC	10 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); C 23
water treatment, shock/slug, skimmer basket, NA				SC/S	2 W, NC	11 W, NC	NS	NS	7 14	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23; C 24
water treatment, subsequent/maintenance, skimmer basket, NA				SC/S	1 W, NC	3 W, NC	NS	NS	1	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23; C 24
water treatment, nighttime, pail, NA				SC/S	15 W	15 W	NS	NS	NA	NA	NA	NA	A 23 (7.4); A 24 (7.6); C 23
water treatment, winterizing, pail, NA				SC/S	8 W	8 W	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.4); A 24 (7.6)
water treatment, evening, NOL, NA				SC/S	4 W	4 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8)
water treatment, shock/slug, pail, NA				SC/S	5 W	5 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8)
water treatment, subsequent/maintenance, pail, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8)
water treatment, NOL, scoop, NA				SC/S	8 W	8 W	NS	NS	1	NA	NA	NA	A 23 (7.2); A 24 (7.6)
water treatment, NOL, winterizing, NA				SC/S	7 W	7 W	NS	NS	NA	NA	NA	NA	A 23 (7.4); A 24 (7.6); C 24

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Appe. @ Max Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) *(Continued from previous page)*													
water treatment, morning, NOL, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
water treatment, nighttime, NOL, NA				SC/S	1 W	1 W	NS	NS	1	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
Site: Air Washer Water Treatment (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, continuous feed (subsequent). NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, intermittent (slug) (initial), NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, intermittent (slug) (subsequent), NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, continuous feed (initial), skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, continuous feed (subsequent), skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, intermittent (slug) (initial), skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, intermittent (slug) (subsequent), skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water recirculating system treatment, initial, NOL, NA				SC/S	<1 W	1 W	NS	NS	NA	NA	NA	NA	A 08; C 24
water recirculating system treatment, subsequent/maintenance, NOL, NA				SC/S	<1 W	<1 W	NS	NS	NA	NA	NA	NA	A 08; C 24
water treatment, initial, NOL, NA				SC/S	4 W	6 W	NS	NS	NA	NA	NA	NA	C 23
water treatment, subsequent/maintenance, NOL, NA				SC/S	1 W	1 W	NS	NS	1	NA	NA	NA	C 23
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(Continued from previous page)*													
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	7	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, initial, NOL, NA				T/P SC/S	<1 W, NC	35 W, NC	NS	NS	1	NA	IL IN MI Northeast	NA	A 08; A 23 (7.4); A 24 (7.8); C 23; C 24
water recirculating system treatment, subsequent/maintenance, NOL, NA				T/P SC/S	<1 W, NC	18 W, NC	NS	NS	1	NA	NA	NA	A 08; C 23; C 24
water recirculating system treatment, initial, skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water recirculating system treatment, subsequent/maintenance, skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water recirculating system treatment, shock/slug, NOL, NA				SC/S	9 W	25 W	NS	NS	30	NA	NA	NA	A 08; A 18 (7.0); A 23 (7.4); A 24 (7.8); C 23; C 24
water recirculating system treatment, NOL, NOL, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	C 23
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, initial, NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, subsequent/maintenance, NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water treatment, initial, skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (*Continued from previous page*)													
water treatment, subsequent/maintenance, skimmer basket, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 08
water recirculating system treatment, initial, NOL, NA				SC/S	<1 W	1 W	NS	NS	NA	NA	NA	NA	A 08; C 24
water recirculating system treatment, subsequent/maintenance, NOL, NA				SC/S	<1 W	<1 W	NS	NS	NA	NA	NA	NA	A 08; C 24
Site: Ornamental Ponds/Aquaria (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Sewage Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
sewage treatment, continuous feed (initial), NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	NA
sewage treatment, initial, NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	NA
sewage treatment, shock/slug, NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (15); A 26 (30)
sewage treatment, NOL, NOL, NA efficacy influencing factor: biological oxygen demand				T/P	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (10); A 25 (15); A 26 (20)
sewage treatment, intermittent (slug) (initial), NOL, NA				T/P	NC	NC	NS	NS	NA	NA	NA	NA	NA
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(Continued from previous page)*													
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	8 W	122 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	4 W	61 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	9 W	14 W	NS	NS	NA	NA	NA	NA	C 23
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	5 W	9 W	NS	NS	NA	NA	NA	NA	C 23
Site: Domestic/Commercial Nonpotable Water (Waterbed Water) (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water treatment, NOL, NOL, NA				SC/S	16 W	16 W	NS	NS	NA	NA	NA	NA	NA
Site: Lakes/Ponds/Reservoirs (Without Human or Wildlife Use) (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Industrial Scrubbing System (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	47 W	109 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	13 W	51 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
spray, NOL, NOL, hard				SC/S	4918 W	4918 W	NS	NS	NA	NA	NA	NA	A 08; C 23

APPENDIX A - Case 0569, [Chlorinated Isocyanurates] Chemical 081404 [Sodium dichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Eating Establishments Food Serving Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
spray, NOL, NOL, hard				SC/S	4918 W	4918 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Hospital Noncritical Items (Bedpans/Furniture) (Use Group: INDOOR MEDICAL)													
surface treatment, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Commercial/Institutional/Industrial Premises/Equipment (Indoor) (Use Group: INDOOR NON-FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	6846 W	6846 W	NS	NS	NA	NA	NA	NA	C 23
surface treatment, NOL, NOL, hard				SC/S	6846 W	6846 W	NS	NS	NA	NA	NA	NA	C 23
spray, NOL, NOL, hard				SC/S	4918 W	4918 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Laundry (Commercial) (Use Group: INDOOR NON-FOOD)													
wash, NOL, washing machines, porous				T/P SC/S	113 W, NC	457 W, NC	NS	NS	NA	NA	NA	NA	C 23
Site: Laundry (Household/Coin-Operated) (Use Group: INDOOR RESIDENTIAL)													
wash, NOL, washing machines, porous				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	C 23
Site: Diapers (Commercial Laundry) (Use Group: INDOOR NON-FOOD)													
wash, NOL, washing machines, porous				SC/S	113 W	113 W	NS	NS	NA	NA	NA	NA	C 23
Site: Bathroom Premises/Hard Surfaces (Use Group: INDOOR RESIDENTIAL)													
surface treatment, NOL, NOL, hard				SC/S	98 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Refuse/Solid Waste Containers (Garbage Cans) (Use Group: INDOOR NON-FOOD)													
wash, NOL, NOL, hard				SC/S	1435 W	1435 W	NS	NS	1	NA	NA	NA	A 08; C 24

Abbreviations used:

Header: Apps = applications; ppm avail cl = parts per million of available chlorine
Form: SC/S = Soluble Concentrate/Solid; T/P = Tableted/Pelleted
Rate: V = by Volume; W = by Weight; NC = not calculated
Geographic Limitations:
IL = Illinois; IN = Indiana; MI = Michigan;
Northeast = Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island and Vermont

In general NA = Not applicable, NS = Not specified; NOL = Not on the label

Use Pattern Limitations
A 06 = Potable water rinse (non-residual claim)
A 08 = Preclean claim
A 23 = Minimum pH
A 24 = Maximum pH
A 25 = Minimum contact time in minutes
A 26 = Maximum contact time in minutes
C 18 = Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority.
C 23 = NPDES license restriction
C 24 = Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction)

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
FEED/FOOD USES													
Site: Poultry (Egg/Meat) (Use Group: INDOOR FOOD)													
feeding and watering appliance treatment, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
flush treatment, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
spray, NOL, pressure sprayer, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
premise treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 16; C 18; C 24; C 27
Site: Egg Handling Equipment (Commercial) (Use Group: INDOOR FOOD)													
fog, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
spray, NOL, pressure sprayer, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Egg Washing Treatments (Commercial) (Use Group: INDOOR FOOD)													
wash, NOL, NOL, hard				G SC/S	97 W	667 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23
immersion, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
spray, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Dairy Farm Milk Handling Facilities/Equipment (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
spray, NOL, pressure sprayer, hard				P/T G SC/S	97 W, NC	100 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
rinse, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD)													
circulate-in-place (CIP) treatment, NOL, NOL, hard				P/T G SC/S	97 W, NC	100 W, NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); A 10 (10); C 23
spray, NOL, pressure sprayer, hard				P/T G SC/S	97 W, NC	100 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); C 23

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD) *(Continued from previous page)*													
rinse, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Agricultural/Farm Structures/Buildings and Equipment (Use Group: INDOOR FOOD)													
feeding and watering appliance treatment, NOL, NOL, hard				P/T SC/S	971 W	971 W	NS	NS	NA	NA	NA	NA	A 06; A 08
immersion, NOL, NOL, hard				P/T SC/S	971 W	97.1 W	NS	NS	NA	NA	NA	NA	A 08
equipment treatment, NOL, NOL, hard				P/T SC/S	971 W, NC	971 W, NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
premise treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Agricultural/Farm Premises (Use Group: INDOOR FOOD)													
premise treatment, NOL, NOL, hard				P/T SC/S	971 W	971 W	NS	NS	NA	NA	NA	NA	A 08
Site: Household/Domestic Dwellings Indoor Food Handling Areas (Use Group: INDOOR FOOD)													
sponge-on, NOL, sponge, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
wipe-on, NOL, pad, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
Site: Human Drinking Water Systems (Use Group: INDOOR FOOD)													
water treatment, shock/slug, NOL, NA				SC/S	634 W	634 W	NS	NS	NA	NA	NA	NA	A 10 (0-240); C 23
water treatment, subsequent/maintenance, NOL, NA				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	A 10 (0-240); C 23
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
rinse, NOL, NOL, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
brush-on, NOL, brush, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
sponge-on, NOL, sponge, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Dairies/Cheese Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
rinse, NOL, NOL, hard				P/T SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, pressure sprayer, hard				SC/S	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08
brush on, NOL, brush, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (see see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Dairies/Cheese Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
sponge-on, NOL, sponge, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Meat Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
brush-on, NOL, brush, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
rinse, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
sponge-on, NOL, sponge, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
premise treatment, NOL, NOL, hard				SC/S	110 W	110 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2-5); C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appe.	Max. # Apps. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Poultry Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
brush-on, NOL, brush, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
rinse, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
sponge-on, NOL, sponge, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
premise treatment, NOL, NOL, hard				SC/S	110 W	110 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2-5); C 18; C 24
Site: Fish/Seafood Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				P/T SC/S G	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
brush-on, NOL, brush, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Fish/Seafood Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD) *(Continued from previous page)*													
sponge-on, NOL, sponge, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Food Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
soak, NOL, NOL, hard				SC/S	95 W	95 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
rinse, NOL, NOL, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (20); C 18; C 24
equipment treatment, NOL, pressure sprayer, hard				P/T SC/S	327 W	327 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (2); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23

Application Type / Application Timing / Application Equipment / Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max # Apps. @ Max. Rate	Min. Interval Between Apps @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION										
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) *(Continued from previous page)*										
mop, NOL, mop, hard	SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
soak, NOL, NOL, hard	SC/S	95 W	333 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
wipe-on, NOL, cloth, hard	SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard	SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard	P/T SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); A 23 (7.2); A 24 (7.6); A 25 (20); C 18; C 24
spray, NOL, pressure sprayer, hard	P/T G SC/S	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
rinse, NOL, NOL, hard	P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
equipment treatment, NOL, NOL, hard	P/T	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
equipment treatment, NOL, pressure sprayer, hard	P/T SC/S	327 W	327 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (2); C 18; C 24
fog, NOL, fogger, hard	P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard	P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, sprayer, hard	P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Meat Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)										
brush-on, NOL, brush, hard	SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard	SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
soak, NOL, NOL, hard	SC/S	95 W	333 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2)
wipe-on, NOL, cloth, hard	SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard	SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
rinse, NOL, NOL, hard	P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard	G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Meat Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) *(Continued from previous page)*													
equipment treatment, NOL, NOL, hard				P/T SC/S	110 W, NC	110 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (2-5); C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (20); C 18; C 24
equipment treatment, NOL, pressure sprayer, hard				P/T SC/S	327 W	327 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (2); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
soak, NOL, NOL, hard				SC/S	95 W	333 W	NS	NS	NA	NA	NA	NA	A 08; A 06; A 10 (2)
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
rinse, NOL, NOL, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (20); C 18; C 24
equipment treatment, NOL, pressure sprayer, hard				P/T SC/S	327 W	327 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (2); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) (*Continued from previous page*)													
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
equipment treatment, NOL, NOL, hard				SC/S	110 W	110 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2-5); C 18; C 24
Site: Fish/Seafood Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				P/T G SC/S	97 W, NC	97 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 23; C 24
spray, NOL, pressure sprayer, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; C 23
circulate-in-place (CIP) treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (20); C 18; C 24
equipment treatment, NOL, pressure sprayer, hard				P/T SC/S	327 W	327 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 23 (7.2); A 24 (7.6); A 25 (2); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
immersion, NOL, tank, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Eating Establishments Food Handling Areas (Food Contact) (Use Group: INDOOR FOOD)													
sponge-on, NOL, sponge, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
wipe-on, NOL, pad, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	572 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
mop, NOL, mop, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
soak, NOL, NOL, hard				SC/S	95 W	333 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (2); C 23
wipe-on, NOL, cloth, hard				SC/S	572 W	572 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2)
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
immersion, NOL, NOL, hard				G	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (2); C 23

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD) *(Continued from previous page)*													
sponge-on, NOL, sponge, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
wipe-on, NOL, pad, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
equipment treatment, NOL, NOL, hard				P/T	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
NON-FEED/NON-FOOD USES													
Site: Animals (Laboratory/Research) (Use Group: INDOOR MEDICAL)													
feeding and watering appliance treatment, NOL, NOL, hard				P/T SC/S	971 W	971 W	NS	NS	NA	NA	NA	NA	A 06; A 08
premise treatment, NOL, NOL, hard				P/T SC/S	971 W	971 W	NS	NS	NA	NA	NA	NA	A 06; A 08
Site: Egg Plants/Hatcheries/Brooder Rooms/Shoe Baths (Hatching) (Use Group: INDOOR NON-FOOD)													
equipment treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 16; C 18; C 24; C 27
immersion, NOL, NOL, hard				P/T SC/S	W	W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 10 (10); A 23 (7.2); A 24 (7.6); C 16; C 18; C 24; C 27
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD)													
water treatment, continuous feed (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD) *(Continued from previous page)*													
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, initial, NOL, NA				P/T G	4 W, NC	5 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
water treatment, subsequent/maintenance, NOL, NA				P/T G	1 W	1 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water recirculating system treatment, initial, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
water recirculating system treatment, subsequent/maintenance, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water treatment, NOL, NOL, NA				SC/S	11 W	11 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
water treatment, NOL, skimmer basket, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) *(Continued from previous page)*													
water treatment, NOL, tablet feeder, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 18; C 24
water treatment, initial, skimmer basket, NA				SC/S	<1 W, NC	15 W, NC	NS	NS	1 2 7 15	NA	NA	NA	A 18 (7.6); A 23 (7.2); A 23 (7.4); A 24 (7.4); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 18; C 23; C 24
water treatment, initial, tablet feeder, NA				SC/S	<1 W, NC	11 W; NC	NS	NS	1 7	NA	NA	NA	A 08; A 18 (7.6); A 23 (7.2); A 23 (7.4); A 23 (7.5); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 18; C 23; C 24
water treatment, initial, portable chlorinator/brominator unit, NA				SC/S	<1 W, NC	15 W, NC	NS	NS	1 7	NA	NA	NA	A 10 (45); A 18 (7.6); A 23 (7.2); A 23 (7.4); A 24 (7.4); A 24 (7.6); A 24 (7.8); A 24 (8.0); A 25 (45); A 26 (60); C 18; C 23; C 24
water treatment, initial, NOL, NA				SC/S	1 W, NC	21 W, NC	NS	NS	1 7	NA	NA	NA	A 10 (45); A 18 (7.6); A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); A 25 (45); A 26 (60); C 23
water treatment, subsequent/maintenance, portable chlorinator/brominator unit, NA				SC/S	1 W, NC	14 W, NC	NS	NS	1 2 7	NA	NA	NA	A 08; A 18 (7.6); A 18 (7.8); A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); C 18; C 23; C 24
water treatment, subsequent/maintenance, skimmer basket, NA				SC/S	1 W, NC	8 W, NC	NS	NS	1 2 7	NA	NA	NA	A 18 (7.6); A 18 (7.8); A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); C 23
water treatment, subsequent/maintenance, tablet feeder, NA				SC/S	1 W, NC	16 W, NC	NS	NS	1 7	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.4); A 23 (7.5); A 24 (7.6); A 24 (7.8); A 24 (8.0); C 18; C 23; C 24
water treatment, subsequent/maintenance, automatic dispenser, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
water treatment, subsequent/maintenance, NOL, NA				SC/S	1 W, NC	2 W, NC	NS	NS	1	NA	NA	NA	A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); C 23
water treatment, shock/slug, tablet feeder, NA				SC/S	2 W, NC	32 W, NC	NS	NS	7 15	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
water treatment, shock/slug, skimmer basket, NA				SC/S	2 W, NC	23 W, NC	NS	NS	5 7 14 15	NA	NA	NA	A 18 (7.8); A 23 (7.2); A 24 (7.4); A 24 (7.6); A 24 (7.8); C 23

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) *(Continued from previous page)*													
water treatment, shock/slug, NOL, NA				SC/S	1 W	9 W	NS	NS	7 14	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
water treatment, shock/slug, portable chlorinator/brominator unit, NA				SC/S	2 W, NC	32 W, NC	NS	NS	14 15	NA	NA	NA	A 18 (7.8); A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
water treatment, continuous feed (initial), tablet feeder, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
water treatment, continuous feed (initial), skimmer basket, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.4); A 24 (7.6); A 24 (7.8); C 23
water treatment, continuous feed (initial), portable chlorinator/brominator unit, NA				SC/S	1 W, NC	1 W, NC	NS	NS	21	NA	NA	NA	A 08; A 23 (7.2); A 23 (7.3); A 23 (7.4); A 24 (7.4); A 24 (7.6); A 24 (7.8); C 18; C 23; C 24
water treatment, winterizing, skimmer basket, NA				SC/S	5 W	11 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water treatment, winterizing, portable chlorinator/brominator, NA				SC/S	5 W, NC	21 W, NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
water treatment, winterizing, tablet feeder, NA				SC/S	7 W	7 W	NS	NS	NA	NA	NA	NA	C 23
water treatment, NOL, portable chlorinator/brominator unit, NA				SC/S	1 W, NC	1 W, NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 18; C 23; C 24
broadcast, initial, by hand, NA				SC/S	10 W	26 W	NS	NS	NA	NA	NA	NA	A 18 (7.6); A 23 (7.2); A 23 (7.4); A 24 (7.6); A 24 (7.8); A 25 (45); A 26 (60); C 23
broadcast, initial, NOL, NA				SC/S	2 W	10 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
broadcast, subsequent/maintenance, NOL, NA				SC/S	2 W	3 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
broadcast, subsequent/maintenance, by hand, NA				SC/S	NC	NC	NS	NS	1	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
broadcast, shock/slug, by hand, NA				SC/S	2 W	23 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
broadcast, shock/slug, NOL, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
broadcast, NOL, by hand, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
broadcast, when needed, by hand, NA				SC/S	7 W	10 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) *(Continued from previous page)*													
spot treatment, NOL, by hand, NA				SC/S	11 W, NC	21 W, NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 24 (7.8); C 23
spot treatment, when needed, portable chlorinator/brominator unit, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
spot treatment, when needed, NOL, NA				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
sprinkle, initial, NOL, NA				SC/S	7 W	7 W	NS	NS	NA	NA	NA	NA	C 23
sprinkle, initial, by hand, NA				SC/S	11 W	21 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6)
sprinkle, NOL, NOL, hand				SC/S	7 W	7 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
Site: Air Washer Water Treatment (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, NA				SC/S G	4 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23
water treatment, continuous feed (subsequent), NOL, NA				SC/S G	1 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23
water treatment, intermittent (slug) (initial), NOL, NA				SC/S G	4 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S G	1 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23
water recirculating system treatment, initial, NOL, NA				SC/S P/T	4 W, NC	5 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
water recirculating system treatment, subsequent/maintenance, NOL, NA				SC/S P/T	1 W, NC	1 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24

APPENDIX A - Case 0569 [Chlorinated isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Air Washer Water Treatment (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(Continued from previous page)*													
water treatment, initial, NOL, NA				SC/S P/T G	4 W, NC	10 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
water treatment, subsequent/maintenance, NOL, NA				SC/S P/T G	1 W, NC	1 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, initial, NOL, NA				P/T SC/S	10 W, NC	10 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 23
water treatment, shock/slug, NOL, NA				SC/S	10 W	10 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
water treatment, subsequent/maintenance, NOL, NA				P/T SC/S	2 W, NC	3 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 23
water once-through system treatment, initial, NOL, NA				P/T	3 W, NC	3 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.5); C 23
water once-through system treatment, subsequent/maintenance, NOL, NA				P/T	NC	NC	NS	NS	NA	NA	NA	NA	C 23
water recirculating system treatment, continuous feed (initial), NOL, NA				SC/S	11 W, NC	106 W, NC	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				P/T SC/S	11 W, NC	106 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				P/T SC/S	11 W, NC	53 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 23; C 24
water recirculating system treatment, initial, NOL, NA				P/T SC/S	3 W, NC	33 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.5); A 24 (7.6); C 23
water recirculating system treatment, subsequent/maintenance, NOL, NA				P/T SC/S	1 W, NC	17 W, NC	NS	NS	1	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 23
water recirculating system treatment, shock/slug, NOL, NA				SC/S	10 W	10 W	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 23
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				P/T SC/S	47 W, NC	106 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.4); A 24 (7.8); C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (*Continued from previous page*)													
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				P/T SC/S	9 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				P/T SC/S	47 W, NC	106 W, NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.4); A 24 (7.8); C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T SC/S	9 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, initial, tablet feeder, NA				P/T	7 W	7 W	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.4); A 24 (7.8)
water recirculating system treatment, initial, portable chlorinator/brominator unit, NA				P/T	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.8); C 23
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, initial, NOL, NA				SC/S	4 W	5 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water treatment, subsequent/maintenance, NOL, NA				SC/S	1 W	1 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (subsequent); NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water recirculating system treatment, intermittent (slug) (initial), NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.8); C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.8); C 18; C 24
water recirculating system treatment, initial, NOL, NA				P/T SC/S	4 W	20 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water recirculating system treatment, subsequent/maintenance, NOL, NA				SC/S	1 W	10 W	NS	NS	1	NA	NA	NA	A 08; C 23

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(Continued from previous page)*													
water treatment, continuous feed (initial), tablet feeder, NA				P/T SC/S	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T SC/S	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				SC/S	9 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
Site: Ornamental Ponds/Aquaria (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water recirculating system treatment, initial, portable chlorinator/brominator unit, NA				P/T	NC	NC	NS	NS	NA	NA	NA	NA	C 23; A 23 (7.2); A 24 (7.8)
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	LA	NA	NA
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	LA	NA	NA
water treatment, continuous feed (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Ornamental Ponds/Aquaria (Use Group: AQUATIC NON-FOOD RESIDENTIAL) *(Continued from previous page)*													
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
Site: Secondary Oil Recovery Injection Water (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, initial, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
water treatment, subsequent/maintenance, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Sewage Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
sewage treatment, continuous feed (initial), NOL, NA				P/T G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
sewage treatment, initial, NOL, NA efficacy influencing factor: biological oxygen demand				P/T G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (10-20); C 23
sewage treatment, initial, NOL, NA				P/T G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
sludge treatment, initial, NOL, NA				P/T G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
sewage treatment, NOL, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
water treatment, NOL, NOL, NA				P/T	NC	NC	NS	NS	NA	NA	NA	NA	C 23
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24

APPENDIX A - Case 0569 [Chlorinated isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(Continued from previous page)*													
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, initial, NOL, NA				P/T	9 W	20 W	NS	NS	NA	NA	NA	NA	A 08; C 23
water recirculating system treatment, subsequent/maintenance, NOL, NA				P/T	3 W	10 W	NS	NS	1	NA	NA	NA	A 08; C 23
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Lakes/Ponds/Reservoirs (Without Human or Wildlife Use) (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Lakes/Ponds/Reservoirs (Without Human or Wildlife Use) (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (*Continued from previous page*)													
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Industrial Scrubbing System (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (initial), tablet feeder, NA				P/T	53 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, intermittent (slug) (subsequent), tablet feeder, NA				P/T	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, continuous feed (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (initial), tablet feeder, NA				SC/S	47 W	98 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water recirculating system treatment, intermittent (slug) (subsequent), tablet feeder, NA				SC/S	9 W	49 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24
water treatment, continuous feed (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, continuous feed (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24

APPENDIX A - Case 0569 [Chlorinated isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Industrial Scrubbing System (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (*Continued from previous page*)													
water treatment, intermittent (slug) (initial), NOL, NA				SC/S	11 W	106 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
water treatment, intermittent (slug) (subsequent), NOL, NA				SC/S	11 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
indoor premise treatment, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
pour-on, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
spray, NOL, mechanical sprayer, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
Site: Eating Establishments Food Serving Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
brush-on, NOL, brush, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
swab, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
soak, NOL, NOL, hard				SC/S	333 W	333 W	NS	NS	NA	NA	NA	NA	A 06; C 23
Site: Hospitals/Medical Institutions Premises (Human/Veterinary) (Use Group: INDOOR MEDICAL)													
brush-on, NOL, brush, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
sponge-on, NOL, sponge, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Hospital Noncritical Items (Bedpans/Furniture) (Use Group: INDOOR MEDICAL)													
brush-on, NOL, brush, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Pattern Limitations (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
Site: Hospital Noncritical Items (Bedpans/Furniture) (Use Group: INDOOR MEDICAL) (*Continued from previous page*)													
sponge-on, NOL, sponge, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Hospitals/Medical Institutions Non-conductive Floors (Use Group: INDOOR MEDICAL)													
brush-on, NOL, brush, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
mop, NOL, mop, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
sponge-on, NOL, sponge, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
wipe-on, NOL, cloth, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Commercial/Institutional/Industrial Premises/Equipment (Indoor) (Use Group: INDOOR NON-FOOD)													
fog, NOL, fogger, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
rinse, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 25 (10); C 18; C 24
spray, NOL, sprayer, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Commercial/Institutional/Industrial Floors (Use Group: INDOOR NON-FOOD)													
surface treatment, NOL, NOL, hard				P/T	NC	NC	NS	NS	NA	NA	NA	NA	A 08; C 23
Site: Leather/Leather Products (Use Group: INDOOR NON-FOOD)													
preservative treatment, subsequent/maintenance, NOL, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Oil Recovery Drilling Mude/Packer Fluids (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
preservative treatment, NOL, metering pump, NA				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24
Site: Laundry (Commercial) (Use Group: INDOOR NON-FOOD)													
wash, NOL, washing machines, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 23; C 24

APPENDIX A - Case 0569 [Chlorinated Isocyanurates] Chemical 081405 [Trichloro-s-triazinetrione]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm avail cl)	Maximum Application Rate (ppm avail cl)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval	Geographic Limitations		Use Pattern Limitations (also see Abbreviations)
											Allowed	Disallowed	
USES ELIGIBLE FOR REREGISTRATION													
Site: Laundry (Commercial) (Use Group: INDOOR NON-FOOD) (*Continued from previous page*)													
wash, NOL, NOL, porous				SC/S	176 W	355 W	NS	NS	NA	NA	NA	NA	NA
Site: Laundry (Household/Coin-Operated) (Use Group: INDOOR RESIDENTIAL)													
soak, NOL, washing machines, porous				P/T SC/S	341 V	341 V	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 25 (11); C 18; C 24
wash, NOL, washing machines, porous				P/T SC/S	341 V	341 V	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); A 25 (5); C 18; C 24
Site: Bathroom Premises/Hard Surfaces (Use Group: INDOOR RESIDENTIAL)													
sponge-on, NOL, sponge, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
wipe-on, NOL, pad, hard				G	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 10 (1.5)
surface treatment, NOL, NOL, hard				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24
surface treatment, NOL, NOL, porous				P/T SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.6); C 18; C 24

Abbreviations used:

Header: Apps = applications; ppm avail cl = parts per million of available chlorine
Form: SC/S = Soluble Concentrate/Solid; P/T = Pelleted/Tableted; G = granular
Rate: V = by Volume; W = by Weight

Geographic Limitations:
LA = Louisiana

In general: NA = Not applicable; NS = not specified; NOL = not on label

Use Pattern Limitations:
A 06 = Potable water rinse (non-residual claim)
A 08 = Preclean claim
A 10 = Contact time in minutes
A 18 = pH
A 23 = Minimum pH
A 24 = Maximum pH
A 25 = Minimum contact time in minutes
A 26 = Maximum contact time in minutes
C 16 = Remove food and animals from premises prior to treatment.
C 18 = Do not discharge effluent containing this pesticide into sewage systems without notifying the sewage treatment plant authority.
C 23 = NPDES license restriction
C 24 = Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction)
C 27 = Remove feed and water prior to treatment.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
USES ELIGIBLE FOR REREGISTRATION													
FOOD/FEED													
Site: Poultry (Egg/Meat) (Use Group: INDOOR FOOD)													
feeding and watering appliance treatment, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	NA
flush treatment, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	NA
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	NA
Site: Egg Handling Equipment (Commercial) (Use Group: INDOOR FOOD)													
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC,104 W	NS	NS	NA	NA	NA	NA	NA
Site: Egg Washing Treatments (Commercial) (Use Group: INDOOR FOOD)													
egg treatment, NOL, automatic sprayer, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	C 23.
egg treatment, NOL, mechanical sprayer, hard				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	C 23.
spray, NOL, NOL, hard				SC/S	NC, 87 W	NC, 118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23.
wash, NOL, NOL, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
immersion, NOL, NOL, hard				SC/S	118 W	235 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23.
spray, NOL, sprayer, hard				SC/S	118 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; C 23.
rinse, NOL, NOL, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
immersion, NOL, egg basket, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 25 (2); A 26 (3); C 23.
Site: Egg Washing Treatments (Hatching) (Use Group: INDOOR FOOD)													
egg treatment, NOL, mechanical sprayer, hard				SC/S	106 W	106 W	NS	NS	NA	NA	NA	NA	C 23.
spray, NOL, NOL, hard				SC/S	235 W	235 W	NS	NS	NA	NA	NA	NA	A 08.
wash, NOL, NOL, hard				SC/S	235 W	235 W	NS	NS	NA	NA	NA	NA	A 08.
immersion, NOL, NOL, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
spray, NOL, sprayer, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
immersion, NOL, egg basket, hard				SC/S	118 W	4118 W	NS	NS	NA	NA	NA	NA	A 25 (2); A 26 (3); C 23.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations (also see Abbreviations)
Site: Dairy Farm Milk Handling Facilities/Equipment (Use group: INDOOR FOOD)													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	NA
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	NA
Site: Dairy Farm Milking Equipment (Use Group: INDOOR FOOD)													
equipment treatment, NOL, NOL, hard				SC/S	87	87	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
Site: Human Drinking Water Systems (Use Group: INDOOR FOOD)													
water treatment, NOL, NOL, n/a				SC/S	42 w	42 W	NS	NS	NA	NA	NA	NA	A 25 (30).
Site: Food Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, mechanical sprayer, NOL, hard				SC/S	126 W	126 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5).
indoor premise treatment, NOL, NOL, hard				SC/S	106 W	671 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
pour-on, NOL, NOL, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
rinse, NOL, NOL, hard				SC/S	NC, 104	NC, 426	NS	NS	NA	NA	NA	NA	A 06.
spray, NOL, NOL, hard				SC/S	NC, 104	NC, 426	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5).
surface treatment, NOL, NOL, hard				SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
spray, NOL, mechanical sprayer, hard				S/C	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
Site: Dairies/Cheese Pocessing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
indoor premise treatment, mechanical sprayer, NOL, hard				SC/S	126 W	126 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5).
indoor premise treatment, NOL, NOL, hard				SC/S	106 W	671 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
pour-on, NOL, NOL, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
indoor premise treatment, sprayer, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
Site: Dairies/Cheese Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD) *(continued from previous page)*													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 426 W	NS	NS	NA	NA	NA	NA	A 06.
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 426 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5).
surface treatment, NOL, NOL, hard				SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
spray, NOL, mechanical sprayer, hard				S/C	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
Site: Meat Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 107 W	NS	NS	NA	NA	NA	NA	A 08.
indoor premise treatment, NOL, NOL, hard				SC/S	336 W	671 W	NS	NS	NA	NA	NA	NA	A 08.
brush-on, NOL, NOL, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, mechanical sprayer, hard				S/C	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
Site: Poultry Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
brush-on, NOL, NOL, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, mechanical sprayer, hard				S/C	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5), C 23.
Site: Fish/Seafood Processing Plant Premises (Nonfood Contact) (Use Group: INDOOR FOOD)													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 519 W	NS	NS	NA	NA	NA	NA	A 06; A 25 (2).
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 519 W	NS	NS	NA	NA	NA	NA	A 06; A 25 (2)

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type / Application Timing / Application Equipment / Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (see see Abbreviations)
Site: Food Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)										
dip, NOL, NOL, hard	SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3, 5); C 23.
immersion, NOL, tank, hard	SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 23.
immersion, NOL, NOL, hard	SC/S	59 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1, 2); A 26 (5); C 23.
immersion, NOL, NOL, hard	P/T	205 W	205 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
spray, NOL, mechanical sprayer, hard	SC/S	59 W	210 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
surface treatment, mechanical sprayer, NOL, hard	SC/S	126 W	126 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5).
surface treatment, NOL, NOL, hard	SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	104 W	160 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); C 23.
spray, NOL, NOL, hard	SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, NOL, hard	SC/L	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
rinse, NOL, NOL, hard	SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
circulation method, NOL, NOL, hard	SC/S	101 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23.
circulation method, NOL, NOL, hard	SC/L	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
equipment treatment, NOL, NOL, hard	SC/S	87 W	87 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, NOL, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, cloth, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
brush-on, NOL, brush, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)										
dip, NOL, NOL, hard	SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23.
immersion, NOL, tank, hard	SC/S	NC, 59 W	NC, 235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5); C 23.
immersion, NOL, NOL, hard	SC/S	61 W	160 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
immersion, NOL, NOL, hard	SC/L	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
spray, NOL, mechanical sprayer, hard	SC/S	59 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1, 2); A 26 (5); C 23.
surface treatment, mechanical sprayer, NOL, hard	SC/S	106 W	212 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5).

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations (also see Abbreviations)
											Allowed	Disallowed	
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
surface treatment, NOL, NOL, hard				SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard				SC/S	61 W	160 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
Site: Dairies/Cheese Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) *(continued from previous page)*													
spray, NOL, NOL, hard				SC/S	NC, 59 W	NC, 235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (5).
spray, NOL, sprayer, hard				SC/S	104 W	104 W	NS	NS	NA	NA	NA	NA	A 25 (2).
spray, NOL, NOL, hard				SC/L	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
circulation method, NOL, NOL, hard				SC/S	101 W	104 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); C 23.
circulation method, NOL, NOL, hard				SC/L	97 W	97 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2).
equipment treatment, NOL, NOL, hard				SC/S	87 W	106 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, NOL, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Meat Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
dip, NOL, NOL, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23.
immersion, NOL, tank, hard				SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
equipment treatment, NOL, NOL, hard				SC/S	90 W	104 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
dip, NOL, NOL, hard				SC/S	118 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (3); C 23.
immersion, NOL, tank, hard				SC/S	105 W	118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) (continued from previous page)													
equipment treatment, NOL, NOL, hard				SC/S	90 W	104 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
spray, NOL, NOL, hard				SC/S	NC, 104 W	NC, 118 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Poultry Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD) *(continued from previous page)*													
rinse, NOL, NOL, hard				SC/S	NC, 104 W	NC, 104 W	NS	NS	NA	NA	NA	NA	A 08.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Fish/Seafood Processing Plant Equipment (Food Contact) (Use Group: INDOOR FOOD)													
spray, NOL, NOL, hard				SC/S	NC, 312 W	NC, 312 W	NS	NS	NA	NA	NA	NA	A 06; A 25 (2).
rinse, NOL, NOL, hard				SC/S	NC, 312 W	NC, 519 W	NS	NS	NA	NA	NA	NA	A 06; A 25 (2).
Site: Eating Establishment (Use Group: INDOOR FOOD)													
indoor premise treatment, NOL, mechanical sprayer, hard				SC/S	126 W	126 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5).
indoor premise treatment, NOL, NOL, hard				SC/S	106 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD)													
dip, NOL, NOL, hard				SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (2); A 26 (3,5); C 23.
immersion, NOL, tank, hard				SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	59 W	210 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
spray, NOL, sprayer, hard				SC/S	NC, 104	NC, 104	NS	NS	NA	NA	NA	NA	A 25 (2).
spray, NOL, NOL, hard				SC/S	59 W	235 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1, 2); A 26 (5); C 23.
surface treatment, NOL, mechanical sprayer, hard				SC/S	106 W	212 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5).
immersion, NOL, NOL, hard				SC/S	87 W	160 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1, 2); A 26 (5); C 23.
immersion, NOL, NOL, hard				P/T	205 W	205 W	NS	NS	NS	NA	NA	NA	A 08; A 25 (2).

APPENDIX A - Case 0569, Chemical 081407 (Sodium dichloro-s-triazinetrione dihydrate)

Application Type / Application Timing / Application Equipment / Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
Site: Eating Establishments Equipment/Utensils (Food Contact) (Use Group: INDOOR FOOD) (continued from previous page)										
pour-on, NOL, NOL, hard	SC/S	100 W	210 W	NS	NS	NA	NA	NA	NA	A 06; A 08; A 25 (1,2); A 26 (5); C 23.
sponge-on, NOL, sponge, hard	SC/S	100 W	101 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1).
wipe-on, NOL, cloth, hard	SC/S	100 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1,2); A 26 (5); C 23.
equipment treatment, NOL, NOL, hard	SC/S	126 W	126 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
surface treatment, NOL, NOL, hard	SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
brush-on, NOL, brush, hard	SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Food Dispensing Equipment/Vending Machines (Use Group: INDOOR FOOD)										
equipment treatment, NOL, brush, hard	SC/S	101 W	101 W	NS	NS	NA	NA	NA	NA	A 08.
wash, NOL, NOL, hard	SC/S	101 W	101 W	NS	NS	NA	NA	NA	NA	A 08; A 10 (5).
wash, NOL, NOL, hard	SC/S	131 W	131 W	NS	NS	NA	NA	NA	NA	A 08.
NON-FOOD/NON-FEED										
Site Hospital Semicritical Items (Catheters/inhalation Equipment) (Use Group: INDOOR MEDICAL)										
NOL, NOL, automatic decontamination machine, n/a	I	NC	NC	NS	NS	NA	NA	NA	NA	C 24.
Site: Household/Domestic Dwellings Indoor Premises (Use Group: INDOOR RESIDENTIAL)										
indoor premise treatment, NOL, NOL, hard	SC/S	106 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
Site: Household/Domestic Dwellings Indoor Food Handling Areas (Use Group: INDOOR RESIDENTIAL)										
surface treatment, NOL, NOL, hard	SC/S	106 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
Site: Residential Floors (Antimicrobials Only) (Use Group: INDOOR RESIDENTIAL)										
indoor premise treatment, NOL, NOL, hard	SC/S	106 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
pour-on, NOL, NOL, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.
spray, NOL, mechanical sprayer, hard	SC/S	107 W	107 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (1); C 23.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
Site: Laundry (Household/Coin-operated) (Use Group: INDOOR RESIDENTIAL)													
wash, NOL, washing machines, porous				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
Site: Toilet Bowls (Interior Surfaces) (Use Group: INDOOR RESIDENTIAL)													
surface treatment, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (10).
Site: Bathroom Premises/Hard Surfaces (Use Group: INDOOR RESIDENTIAL)													
rinse, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 08.
spray treatment, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 08.
surface treatment, NOL, NOL, hard				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (10).
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water treatment, initial, NOL, n/a				SC/S	<1 W	9 W	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.2); A 24 (8.0); C 18; C 23. C24;
water treatment, initial, NOL, n/a				SC/S	7 V	7 V	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6).
water treatment, initial, skimmer basket, n/a				SC/S	1 W	11 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6).
water treatment, initial, portable chlorinator, n/a				SC/S	5 W	11 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23.
water treatment, initial, tablet feeder, n/a				SC/S	8 W	8 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24.
water treatment, shock/slug, NOL, n/a				SC/S	<1 W	22 W	NS	NS	NS, 7, 14	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.8); C 18; C 23.
water treatment, shock/slug, NOL, n/a				SC/S	4 V	18 V	NS	NS	NS, 7	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23
water treatment, shock/slug, skimmer basket, n/a				SC/S	NC, 9 W	9 W	NS	NS	NS, 7	NA	NA	NA	NA
water treatment, subsequent/maintenance, NOL, n/a				SC/S	NC, <1 W	NC, 10 W	NS	NS	NS, 1, 00	NA	NA	NA	A 08; A 23 (7.2); A 24 (7.8); C 18; C 23; C 24.
water treatment, subsequent/maintenance, NOL, n/a				SC/S	4 V	4 V	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6).
water treatment, subsequent/maintenance, skimmer basket, n/a				SC/S	NC, 1 W	NC, 1 W	NS	NS	NS, 1	NA	NA	NA	A 08; A 23 (7.2); A 24 (8.0).
water treatment, subsequent/maintenance, tablet feeder, n/a				SC/S	1 W	1 W	NS	NS	1	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 18; C 24.
water treatment, subsequent/maintenance, portable chlorinator, n/a				SC/S	1 W	1 W	NS	NS	NS	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
Site: Swimming Pool Water Systems (Use Group: AQUATIC NON-FOOD RESIDENTIAL) (continued from previous page)													
water treatment, winterizing, skimmer basket, n/a				SC/S	9 W	9 W	NS	NS	NA	NA	NA	NA	NA
water treatment, winterizing, NOL, n/a				SC/S	24 W	31 W	NS	NS	NA	NA	NA	NA	A 23 (7.2); A 24 (7.6); C 23.
Site: Ornamental Ponds/Aquaria (Use Group: AQUATIC NON-FOOD RESIDENTIAL)													
water treatment, continuous feed (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, continuous feed (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
Site: Air Washer Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, initial, NOL, n/a				SC/S	3 W	5 W	NS	NS	NA	NA	NA	NA	NA
water treatment, subsequent/maintenance, NOL, n/a				SC/S	1 W	1 W	NS	NS	1	NA	NA	NA	NA
water treatment, continuous feed (initial), NOL, n/a				SC/S	NC, 4 W	NC, 6 W	NS	NS	NA	NA	NA	NA	NA
water treatment, continuous feed (subsequent) (subsequent), NOL, n/a				SC/S	NC, 1 W	NC, 1 W	NS	NS	NA	NA	NA	NA	NA
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	NC, 4 W	NC, 6 W	NS	NS	NA	NA	NA	NA	NA
water treatment, intermittent (slug)(subsequent), NOL, n/a				SC/S	NC, 1 W	NC, 1 W	NS	NS	NA	NA	NA	NA	NA
water treatment, continuous feed (initial), tablet feeder, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water treatment, continuous feed (subsequent), tablet feeder, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water treatment, intermittent (slug) (initial), tablet feeder, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water treatment, intermittent (slug)(subsequent), tablet feeder, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type / Application Timing / Application Equipment / Surface Type	Form [1]	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max # Appl.	Max # Appl @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations* (also see Abbreviations)
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)										
water treatment, initial, NOL, n/a	SC/S	10 W	199 W	NS	NS	NS, 1	NA	NA	NA	A 08; C23.
water treatment, subsequent/maintenance, NOL, n/a	SC/S	2 W	NC, 8 W	NS	NS	NS, 1, 2	NA	NA	NA	A 08; C23.
water recirculating system treatment, continuous feed (initial), NOL, n/a	SC/S	7 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24.
water recirculating system treatment, continuous feed (subsequent), NOL, n/a	SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24.
water recirculating system treatment, intermittent (slug) (initial), NOL, n/a	SC/S	2 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23; C 24.
water recirculating system treatment, intermittent (slug) (subsequent), NOL, n/a	SC/S	2 W	67 W	NS	NS	NS, 1, 2, 3	NA	NA	NA	A 08; C 18; C 23; C 24.
water recirculating system treatment, initial, NOL, n/a	SC/S	NC, 2 W	NC, 23 W	NS	NS	NA	NA	NA	NA	A 08; A 23 (7.1); A 24 (7.6); C 18; C 23; C 24.
Site: Commercial/Industrial Water Cooling Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) *(continued from previous page)*										
water recirculating system treatment, subsequent/maintenance, NOL, n/a	SC/S	NC, <1 W	NC, 15 W	NS	NS	1, 2, 7	NA	NA	NA	A 08; A 23 (7.1); A 24 (7.6); C 18; C 23; C 24.
water recirculating system treatment, initial, tablet feeder, n/a	SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water recirculating system treatment, subsequent/maintenance, tablet feeder, n/a	SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)										
water treatment, initial, NOL, n/a	SC/S	NC, 3 W	NC, 6 W	NS	NS	NA	NA	NA	NA	A 08.
water treatment, subsequent/maintenance, NOL, n/a	SC/S	NC, <1 W	NC, 1 W	NS	NS	NA	NA	NA	NA	A 08.
water treatment, initial, tablet feeder, n/a	SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water treatment, subsequent/maintenance, tablet feeder, n/a	SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
water treatment, continuous feed (initial), NOL, n/a	SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, continuous feed (subsequent), NOL, n/a	SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations (also see Abbreviations)
											Allowed	Disallowed	
Site: Evaporative Condenser Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (continued from previous page)													
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water recirculating system treatment, initial, NOL, n/a				SC/S	15 W	15 W	NS	NS	NA	NA	NA	NA	A 08.
water recirculating system treatment, subsequent/maintenance, NOL, n/a				SC/S	8 W	15 W	NS	NS	NS, 7	NA	NA	NA	A 08.
water recirculating system treatment, continuous feed (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, continuous feed (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NS, 3	NA	NA	NA	A 08; C 23.
Site: Sewage Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
sewage treatment, continuous feed (initial), NOL, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
sewage treatment, initial, NOL, n/a Efficacy influencing factor: biological oxygen demand				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (10); A 26 (20).
sewage treatment, initial, NOL, n/a Efficacy influencing factor: biological oxygen demand				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	A 25 (10); A 26 (20).
sludge treatment, initial, NOL, n/a				SC/S	NC	NC	NS	NS	NA	NA	NA	NA	NA
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, continuous feed (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appl.	Max. # Appl. @ Max. Rate	Min. Interval Between Appl. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations: Allowed	Geographic Limitations: Disallowed	Use Limitations (also see Abbreviations)
Site: Heat Exchanger Water Systems (Use Group: AQUATIC NON-FOOD INDUSTRIAL) (continued from previous page)													
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water recirculating system treatment, continuous feed (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, continuous feed (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Lakes/Ponds/Reservoirs (without human or wildlife use) (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, continuous feed (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water recirculating system treatment, continuous feed (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, continuous feed (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Industrial Scrubbing System (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Apps.	Max. # Apps. @ Max. Rate	Min. Interval Between Apps. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (also see Abbreviations)
											Allowed	Disallowed	
Site: Industrial Scrubbing System (Use Group: AQUATIC NON-FOOD INDUSTRIAL)													
water treatment, continuous feed (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 24.
water recirculating system treatment, continuous feed (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, continuous feed (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (initial), NOL, n/a				SC/S	7 W	100 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
water recirculating system treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	3 W	67 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD)													
water treatment, continuous feed (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23.
water treatment, continuous feed (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23.
water treatment, intermittent (slug) (initial), NOL, n/a				SC/S	53 W	113 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23.
water treatment, intermittent (slug) (subsequent), NOL, n/a				SC/S	13 W	53 W	NS	NS	NA	NA	NA	NA	A 08; C 18; C 23.
Site: Pasteurizer/Warmer/Cannery Cooling Water Systems (Use Group: INDOOR NON-FOOD) *(continued from previous page)*													
water treatment, initial, NOL, n/a				SC/S	15 W	20 W	NS	NS	NA	NA	NA	NA	A 08.
water treatment, subsequent/maintenance, NOL, n/a				SC/S	6 W	12 W	NS	NS	7	NA	NA	NA	A 08.
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
surface treatment, NOL, NOL, hard				SC/S	210 W	210 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
rinse, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 06.
spray, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 06.

APPENDIX A - Case 0569, Chemical 081407 [Sodium dichloro-s-triazinetrione dihydrate]

Application Type	Application Timing	Application Equipment	Surface Type	Form	Minimum Application Rate (ppm available chlorine)	Maximum Application Rate (ppm available chlorine)	Max. # Appe.	Max. # Appe. @ Max. Rate	Min. Interval Between Appe. @ Max. Rate (Days)	Restricted Entry Interval (Days)	Geographic Limitations		Use Limitations* (see see Abbreviations)
											Allowed	Disallowed	
Site: Eating Establishments Food Handling Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Eating Establishments Food Serving Areas (Nonfood Contact) (Use Group: INDOOR NON-FOOD)													
rinse, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 06.
spray, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 06.
brush-on, NOL, brush, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
spray, NOL, mechanical sprayer, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
wipe-on, NOL, cloth, hard				SC/S	105 W	105 W	NS	NS	NA	NA	NA	NA	A 08; A 25 (2); A 26 (5); C 23.
Site: Commercial/Institutional/Industrial Premises/Equipment (indoor) (Use Group: INDOOR NON-FOOD)													
surface treatment, NOL, NOL, hard				SC/S	212 W	212 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Laundry (commercial) (Use Group: INDOOR NON-FOOD)													
wash, NOL, washing machines, porous				SC/S	NC, 104 W	NC, 189 W	NS	NS	NA	NA	NA	NA	A 08; C 23.
Site: Diapers (commercial laundry) (Use Group: INDOOR NON-FOOD)													
wash, NOL, washing machines, porous				SC/S	NC, 106 W	NC, 189 W	NS	NS	NA	NA	NA	NA	NA
Site: Refuse/Solid Waste Containers (Garbage Cans) (Use Group: INDOOR NON-FOOD)													
rinse, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 08
spray treatment, NOL, NOL, hard				SC/S	426 W	426 W	NS	NS	NA	NA	NA	NA	A 08 .

Abbreviations used

Header: max = maximum; min = minimum; apps = applications
Form: I = Impregnated material; P/T = Pelleted/Tableted; SC/L = Soluble Concentrate/Liquid; SC/S = Soluble Concentrate/Solid; FNI/S = Form Not Identified/Solid
Rate: AI = active ingredient; ppm = parts per million; Vol. = by volume; W = by weight

n/a = not applicable
NOL = not on label
NS = not specified
NA = not applicable
NC = no calculation

Use Pattern Limitations
* = All codes not on all labels.
A 06 = Potable water rinse.
A 08 = Preclean claim.
A 23 = pH, minimum in parentheses
A 24 = pH, maximum in parentheses
A 25 = Minimum contact time, minutes in parentheses.
A 26 = Maximum contact time, minutes in parentheses.
C 18 = Do not discharge effluent containing this pesticide into sewage systems without notifying sewage treatment plant authority.
C 23 = NPDES license restriction.
C 24 = Do not discharge effluent containing this pesticide into lakes, streams, ponds, estuaries, oceans, or public water. (NPDES license restriction)

APPENDIX B

Table of the Generic Data Requirements and Studies Used to Make the Reregistration Decision

GUIDE TO APPENDIX B

Appendix B contains listings of data requirements which support the reregistration for the pesticide covered by this Reregistration Eligibility Document. Appendix B contains generic data requirements that apply to the pesticide in all products, including data requirements for which a "typical formulation" is the test substance.

The data table are generally organized according to the following format:

1. Data Requirement (Column 1). The data requirements are listed in the order in which they appear in 40 CFR Part 158. The reference numbers accompanying each test refer to the test protocols set out in the Pesticide Assessment Guidelines, which are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

2. Use Pattern (Column 2). This column indicates the use patterns to which the data requirement applies. The following letter designations are used for the given use patterns:

A	Terrestrial food
B	Terrestrial feed
C	Terrestrial non-food
D	Aquatic food
E	Aquatic non-food outdoor
F	Aquatic non-food industrial
G	Aquatic non-food residential
H	Greenhouse food
I	Greenhouse non-food crop
J	Forestry
K	Residential
L	Indoor food
M	Indoor non-food
N	Indoor medical
O	Indoor residential

Any other designations will be defined in a footnote to the table.

3. Bibliographic citation (Column 3). If the Agency has acceptable data in its files, this column lists the identifying number of each study. This normally is the Master Record Identification (MRID) number, but may be a GS number if no MRID number has been assigned. Refer to the Bibliography Appendices for a complete citation of the study.

Dichloro-s-triazinetrione (081401)

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Dichloro-s-triazinetrione (081401)

Requirement		Use Pattern	Citation
158.135 Toxicology			
82-1a	90-Day Feeding - Rodent	LMNO	00063477, 00124782
83-1a	Chronic Toxicity - Rodent	LMNO	00126362
83-2a	Oncogenicity - Rat	LMNO	00126362
83-2B	Oncogenicity - Mouse	LMNO	00126361
83-3a	Teratogenicity - Rat	LMNO	00105168
83-3b	Teratogenicity - Rabbit	LMNO	00132510
83-4	Reproduction - Rat	LMNO	00150286
84-2a	Gene Mutation (Ames Test)	LMNO	00094883
84-2b	Structural Chromosomal Aberration	LMNO	00091031
84-4	Other Genotoxic Effects	LMNO	00094882
85-1	General Metabolism - Rat	LMNO	00131014
85-1	General Metabolism - Dog	LMNO	00128287

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Dichloro-s-triazinetrione (081401)

Requirement		Use Pattern	Citation
158.145 Ecological Effects			
71-1	Acute Avian Oral Toxicity - Quail/Duck	LMNO	00132603, 00150962
71-2	Avian Subacute Dietary Toxicity	LMNO	00132426, 00132427, 00144301, 00144302, 00150963, 00150964
72-1	Freshwater Fish Toxicity	LMNO	00026193, 00026195, 00150965, 00150966
72-2	Acute Tox to Fresh Water Invertebrates	LMNO	00019383, 00150967, 00154329

Potassium Dichloro-s-triazinetrione (081403)

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Potasium Dichloro-s-triazinetrione (081403)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
63-2	Color	All	40927401
63-3	Physical State	All	40927401
63-4	Odor	All	40927401
63-5	Melting Point	All	40927401
63-7	Density	All	40927401
63-10	Dissociation Constant	All	40927401
63-11	Octanol/Water Partition Coefficient	All	40927401
63-12	pH	All	40927401

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Potassium Dichloro-s-triazinetrione (081403)

Requirement		Use Pattern	Citation
158.135 Toxicology			
82-1a	90-Day Feeding - Rodent	GLMNO	00063477, 00124782
83-1a	Chronic Toxicity - Rodent	GLMNO	00126362
83-2a	Oncogenicity - Rat	GLMNO	00126362
83-2B	Oncogenicity - Mouse	GLMNO	00126361
83-3a	Teratogenicity - Rat	GLMNO	00105168
83-3b	Teratogenicity - Rabbit	GLMNO	00132510
83-4	Reproduction - Rat	GLMNO	00150286
84-2a	Gene Mutation (Ames Test)	GLMNO	00094883
84-2b	Structural Chromosomal Aberration	GLMNO	00091031
84-4	Other Genotoxic Effects	GLMNO	00094882
85-1	General Metabolism - Rat	GLMNO	00131014
85-1	General Metabolism - Dog	GLMNO	00128287

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Potassium Dichloro-s-triazinetrione (081403)

Requirement		Use Pattern	Citation
158.145 Ecological Effects			
71-1	Acute Avian Oral Toxicity - Quail/Duck	GLMNO	00132603, 00150962
71-2	Avian Subacute Dietary Toxicity	GLMNO	00132426, 00132427, 00144301, 00144302, 00150963, 00150964
72-1	Freshwater Fish Toxicity	GLMNO	00026193, 00026195, 00150965, 00150966
72-2	Acute Tox to Fresh Water Invertebrates	GLMNO	00019383, 00150967
158.130 Environmental Fate			
161-1	Hydrolysis	GLMNO	00056478

Sodium dichloro-s-triazinetrione (081404)

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione (081404)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
62-1	Preliminary Analysis	All	40802401
63-2	Color	All	41044401, 40802401 40898501, 40933103 40933115, 40933112
63-3	Physical State	All	41044401, 40802401 40898501, 40933103 40933112, 40933115
63-4	Odor	All	41044401, 40802401 40898501, 40933103 40933112, 40933115
63-5	Melting Point	All	41044402, 40802401 40898501, 40933103 40933112, 40933115

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione (081404)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
63-7	Density	All	41044401, 40898501 40933103, 40933112 40933115
63-9	Vapor Pressure	All	40802401
63-10	Dissociation Constant	All	41044402, 40802401 40898501
63-11	Octanol/Water Partition Coefficient	All	40802401, 40898501 40933103, 40933112 40933115
63-12	pH	All	41044401, 40898501 40933103, 40933112 40933115

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione (081404)

Requirement		Use Pattern	Citation
158.135 Toxicology			
82-1a	90-Day Feeding - Rodent	DFGHLMNO	00063477, 00124782
83-1a	Chronic Toxicity - Rodent	DFGHLMNO	00126362
83-2a	Oncogenicity - Rat	DFGHLMNO	00126362
83-2B	Oncogenicity - Mouse	DFGHLMNO	00126361
83-3a	Teratogenicity - Rat	DFGHLMNO	00105168
83-3b	Teratogenicity - Rabbit	DFGHLMNO	00132510
83-4	Reproduction - Rat	DFGHLMNO	00150286
84-2a	Gene Mutation (Ames Test)	DFGHLMNO	00094883
84-2b	Structural Chromosomal Aberration	DFGHLMNO	00091031
84-4	Other Genotoxic Effects	DFGHLMNO	00094882
85-1	General Metabolism - Rat	DFGHLMNO	00131014
85-1	General Metabolism - Dog	DFGHLMNO	00128287

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Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione (081404)

Requirement		Use Pattern	Citation
158.145 Ecological Effects			
71-1	Acute Avian Oral Toxicity - Quail/Duck	DFGHLMNO	00132603, 00150962
71-2	Avian Subacute Dietary Toxicity	DFGHLMNO	00132426, 00132427, 00144301, 00144302, 00150963, 00150964
72-1	Freshwater Fish Toxicity	DFGHLMNO	00026193, 00026195, 00150965, 00150966
72-2	Acute Tox to Fresh Water Invertebrates	DFGHLMNO	00019383, 00150967,
72-3	Acute Toxicity to Estuarine and Marine Organisms	DFGHLMNO	40351801
158.130 Environmental Fate			
161-1	Hydrolysis	DFGHLMNO	00056478

Trichloro-s-triazinetrione (081405)

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Trichloro-s-triazinetrione (081405)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
61-2a	Beginning Materials and Manufacturing Process	All	40414401
61-2b	Formation of Impurities	All	40414401
62-1	Preliminary Analysis	All	40802401, 40046502 41943002, 40414402 41119301, 41010602 41010702
63-2	Color	All	41044301, 40046503 40802401, 40879501 40414403, 40992403 40933104, 40933107 40933116
63-3	Physical State	All	41044301, 40802401 40200401, 40992403 40879501, 40414403 40829001, 41513601 40933104, 40933107 40933116

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Trichloro-s-triazinetrione (081405)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
63-4	Odor	All	41044301, 40802401 40046503, 40992403 40879501, 40414403 40933104, 40933107 40933116
63-5	Melting Point	All	41044301, 40802401 40879501, 40414403 40933104, 40933107 40933116, 40046503
63-7	Density	All	41044301, 40200401 40992403, 40879501 40414403, 40933104 40933107, 40933116 40802401
63-8	Solubility	All	40414403
63-9	Vapor Pressure	All	40802401
63-10	Dissociation Constant	All	41044301, 40802401 40879501, 40414403

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Trichloro-s-triazinetrione (081405)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
63-11	Octanol/Water Partition Coefficient	All	40802401, 40879501 40414403, 40933104 40933107, 40933116
63-12	pH	All	41044301, 40046503 40992403, 40879501 40414403, 41513601 40933104, 40933107 40933116
63-13	Stability	All	40414403

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Trichloro-s-triazinetrione (081405)

Requirement		Use Pattern	Citation
158.135 Toxicology			
82-1a	90-Day Feeding - Rodent	FGLMNO	00063477, 00124782
83-1a	Chronic Toxicity - Rodent	FGLMNO	00126362
83-2a	Oncogenicity - Rat	FGLMNO	00126362
83-2B	Oncogenicity - Mouse	FGLMNO	00126361
83-3a	Teratogenicity - Rat	FGLMNO	00105168
83-3b	Teratogenicity - Rabbit	FGLMNO	00132510
83-4	Reproduction - Rat	FGLMNO	00150286
84-2a	Gene Mutation (Ames Test)	FGLMNO	00094883
84-2b	Structural Chromosomal Aberration	FGLMNO	00091031
84-4	Other Genotoxic Effects	FGLMNO	00094882
85-1	General Metabolism - Rat	FGLMNO	00131014
85-1	General Metabolism - Dog	FGLMNO	00128287

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Data Supporting Guideline Requirements for the Reregistration of Trichloro-s-triazinetrione (081405)

Requirement		Use Pattern	Citation
158.145 Ecological Effects			
71-1	Acute Avian Oral Toxicity - Quail/Duck	FGLMNO	00132603, 00150962
71-2	Avian Subacute Dietary Toxicity	FGLMNO	00132426, 00132427, 00144301, 00144302, 00150963, 00150964
72-1	Freshwater Fish Toxicity	FGLMNO	00026193, 00026195, 00150965, 00150966
72-2	Acute Tox to Fresh Water Invertebrates	FGLMNO	00019383, 00150967,
72-3	Acute Toxicity to Estuarine and Marine Organisms	FGLMNO	40351801
158.130 Environmental Fate			
161-1	Hydrolysis	FGLMNO	00056478

Sodium dichloro-s-triazinetrione dihydrate (081407)

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione Dihydrate (081407)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
61-2a	Beginning Materials and Manufacturing Process	All	41072201
61-2b	Formation of Impurities	All	41072201
62-1	Preliminary Analysis	All	41072201, 40802401
63-2	Color	All	41044501, 41054103 40802401, 40898601 41072203
63-3	Physical State	All	41044501, 41054103 40802401, 40898601 41072203
63-4	Odor	All	41044501, 41054103 40802401, 40898601 41072203
63-5	Melting Point	All	41044502, 41054103 40802401, 40898601 41072203

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione Dihydrate (081407)

Requirement		Use Pattern	Citation
158.120 Product Chemistry			
63-7	Density	All	41044501, 41054103 40898601, 41072203
63-8	Solubility	All	41072203
63-10	Dissociation Constant	All	41044502, 41054103 40802401, 40898601
63-11	Octanol/Water Partition Coefficient	All	40802401, 40898601 41054103, 41072203
63-12	pH	All	41044502, 41054103 41072203, 40898601
63-13	Stability	All	41072203

APPENDIX B

Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione Dihydrate (081407)

Requirement		Use Pattern	Citation
158.135 Toxicology			
82-1a	90-Day Feeding - Rodent	FGLMNO	00063477, 00124782
83-1a	Chronic Toxicity - Rodent	FGLMNO	00126362
83-2a	Oncogenicity - Rat	FGLMNO	00126362
83-2B	Oncogenicity - Mouse	FGLMNO	00126361
83-3a	Teratogenicity - Rat	FGLMNO	00105168
83-3b	Teratogenicity - Rabbit	FGLMNO	00132510
83-4	Reproduction - Rat	FGLMNO	00150286
84-2a	Gene Mutation (Ames Test)	FGLMNO	00094883
84-2b	Structural Chromosomal Aberration	FGLMNO	00091031
84-4	Other Genotoxic Effects	FGLMNO	00094882
85-1	General Metabolism - Rat	FGLMNO	00131014
85-1	General Metabolism - Dog	FGLMNO	00128287

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Data Supporting Guideline Requirements for the Reregistration of Sodium Dichloro-s-triazinetrione Dihydrate (081407)

Requirement		Use Pattern	Citation
158.145 Ecological Effects			
71-1	Acute Avian Oral Toxicity - Quail/Duck	FGLMNO	00132603, 00150962
71-2	Avian Subacute Dietary Toxicity	FGLMNO	00132426, 00132427, 00144301, 00144302, 00150963, 00150964
72-1	Freshwater Fish Toxicity	FGLMNO	00026193, 00026195, 00150965, 00150966
72-2	Acute Tox to Fresh Water Invertebrates	FGLMNO	00019383, 00150967,
72-3	Acute Toxicity to Estuarine and Marine Organisms	FGLMNO	40351801
158.130 Environmental Fate			
161-1	Hydrolysis	FGLMNO	00056478

APPENDIX C

Chlorinated Isocyanurates Bibliography

Citations Considered to be Part of the Data Base Supporting the Reregistration of the Chlorinated Isocyanurates

GUIDE TO APPENDIX C

1. CONTENT OF BIBLIOGRAPHY. This bibliography contains citations of all studies considered relevant by EPA in arriving at the positions and conclusions stated elsewhere in the Reregistration Eligibility Document. Primary sources for studies in this bibliography have been the body of data submitted to EPA and its predecessor agencies in support of past regulatory decisions. Selections from other sources including the published literature, in those instances where they have been considered, will be included.

2. UNITS OF ENTRY. The unit of entry in this bibliography is called a "study". In the case of published materials, this corresponds closely to an article. In the case of unpublished materials submitted to the Agency the Agency has sought to identify documents at a level parallel to the published article from within the typically larger volumes in which they were submitted. The resulting "studies" generally have a distinct title (or at least a single subject), can stand alone for purposes of review, and can be described with a conventional bibliographic citation. The Agency has attempted also to unite basic documents and commentaries upon them, treating them as a single study.

3. IDENTIFICATION OF ENTRIES. The entries in this bibliography are sorted numerically by Master Record Identifier," or MRID number. This number is unique to the citation, and should be used at any time specific reference is required. It is not related to the six-digit "Accession Number" which has been used to identify volumes of submitted studies; see paragraph 4(d)(4) below for further explanation. In a few cases, entries added to the bibliography late in the review may be preceded by a nine-character temporary identifier. These entries are listed after all MRID entries. This temporary identifier number is also to be used whenever specific reference is needed.

4. FORM OF ENTRY. In addition to the Master Record Identifier (MRID), each entry consists of a citation containing standard elements followed, in the case of material submitted to EPA, by a description of the earliest known submission. Bibliographic conventions used reflect the standards of the American National Standards Institute (ANSI), expanded to provide for certain special needs.

   a. Author. Whenever the Agency could confidently identify one, the Agency has chosen to show a personal author. When no individual was identified, the Agency has shown an identifiable laboratory or testing facility as author. As a last resort, the Agency has shown the first submitter as author.

b. Document date. When the date appears as four digits with no question marks, the Agency took it directly from the document. When a four-digit date is followed by a question mark the bibliographer deduced the date from evidence in the document. When the date appears as (19??), the Agency was unable to determine or estimate the date of the document.

c. Title. In some cases, it has been necessary for Agency bibliographers to create or enhance a document title. Any such editorial insertions are contained between square brackets.

d. Trailing parentheses. For studies submitted to the Agency in the past, the trailing parentheses include (in addition to any self-explanatory text) the following elements describing the earliest known submission:

(1) Submission date. The date of the earliest known submission appears immediately following the word "received."

(2) Administrative number. The next element, immediately following the word "under," is the registration number, experimental use permit number, petition number, or other administrative number associated with the earliest known submission.

(3) Submitter. The third element is the submitter, following the phrase "submitted by." When authorship is defaulted to the submitter, this element is omitted.

(4) Volume Identification (Accession Numbers). The final element in the trailing parentheses identifies the EPA accession number of the volume in which the original submission of the study appears. The six-digit accession number follows the symbol "CDL," standing for "Company Data Library." This accession number is in turn followed by an alphabetic suffix which shows the relative position of the study within the volume. For example, within accession number 123456, the first study would be 123456-A; the second, 123456-B; the 26th, 123456-Z; and the 27th, 123456-AA.

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Chlorinated Isocyanurates Bibliography

MRID	Citation
00019383	LeBlanc, G.A. (1976) Trichloro-s-triazinetrione: Acute Toxicity of ACL-85 to "Daphnia_magna'#. (Unpublished study received Aug 10, 1977 under 230-50; prepared by EG&G, Bionomics for Monsanto Co., submitted by FMC Corp., Industrial Chemical Group, Philadelphia, Pa.; CDL:231918-H)
00026193	McCann, J.A.; Pitcher, F.G. (1973) $Camp Rapid Algae Cure: Toxicity to RainBow Trout/: Test No. 555. (U.S. Environmental Protection Agency, Pesticides Regulation Div., Agricultural Research Center, Animal Biology Laboratory, unpublished report).
00026195	McCann, J.A.; Pitcher, F.G. (1973) $Spot-Out: Toxicity to Rainbow Trout/: Test NO. 583. (US Environmental Protection Agency, Pesticides Regulation Div., Agricultural Research Center, Animal Biology Laboratory, Unpublished report.)
00056478	Hu, H.C. (1981) Hydrolysis Study of Aqueous Sodium Salt Solutions of 2,4,6-Trihydroxy-1,3,5-triazine. (Unpublished study received Jan 26, 1981 under unknown admin. no.; prepared by FMC CORP., submitted by Monsanto Co., Washington, DC; CDL 244259-A)
00063477	Rajasekaran, D.; Biava, C.; Thorstenson, J.H.; et al. (1981) 13-week Toxicity Study in Rats: IRDC No. 167-151. (Unpublished study received Apr 9, 1981 under unknown Admin. No.; prepared by California, San Francisco Medical Center, submitted by Monsanto Co., washington, DC,; CDL: 244797-A)
00091031	Sharma, R.(1981) An Evaluation of the Mutagenic Potential of Sodium Cyanurate Using the in-vivo Rat Bone Marrow Cytogenetic Assay: SRI Project LSC-2923, Task 2; Monsanto Study No. SR-80-522. Final rept. (Unpublished study received Jan 4, 1982 under 524-107; prepared by SRI International, submitted by Monsanto Co., Washington, D.C. CDL:246547-A)

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MRID	Citation
00094882	Stewart, B.E. (1981) An Evaluation of the Effect of Monosodium Cyanurate on Sister Chromatid Exchange Frequencies in Cultured Chinese Hamster Ovary Cells: SRI Project LSC-2923, Task 1. Final rept. (Unpublished study received Feb 17, 1982 under 1528-984; prepared by SRI International, submitted by Olin Corp., Stanford, Conn., CDL:246826-A)
00094883	Kirby, P.E.; Pizzarello, R.F.; Brauninger, R.M.; et al. (1981) Evaluation Test Article Cyanuric Acid (Sodium Salt) (MRI #582) for Mutagenic Potential Employing the L5178Y TK+/- Mutagenesis Assay: Study No. 013-312-582-7. (Unpublished study received Feb. 17, 1982 under 1258-984; prepared by EG&G Mason Research Institute, submitted by Olin Corp., Stanford Conn,; CDL: 246826-B)
00105168	Schardein, J.; Laughlin, K.; Blair, M. (1982) Teratology Study in the Rat with Monosodium Cyanurate: 167-159. (Unpublished study received June 11, 1982 under unknown admin. no.; prepared by International Research and Development Corp., submitted by Monsanto Co., Washington, DC; CDL: 247700-A)
00124782	Serota, D.; Fezio, W,; Hepner, K.; et al. (1982) Thirteen-week Toxicity Study in Mice: Monsodium Cyanurate: Project No. 2169-100. Final rept. (Unpublished study received Jan 6, 1983 under 524-107; prepared by Hazleton Laboratories America, Inc., submitted by Monsanto Co., washington, DC; CDL: 249192-A)
00126361	Monsanto Co. (1983) Two Year Oncogenicity Study in Mice: $Cyanurate/. (Unpublished study received Feb. 17, 1983 under 524-107; CDL:249688-B)
00126362	Blair, M.; Jefferson, N.; Geil, R. (1982) Chronic Toxicity and Oncogenicity Study in Rats: $S-Triazinetriol/: 167-157. (Unpublished study received Feb 17, 1983 under 524-107; prepared by International Research and Development Corp., submitted by Monsanto Co., Washington, DC; CDL 249688-C)

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MRID	Citation
00128287	Chadwick, M.; Hayes, D.; McComish, M.; et al. (1982) Disposition and Metabolism of 14C- labeled Sodium Cyanurate in Dog: C-86329. (Unpublished study received Apr. 29, 1983 under 524-107; prepared by Arthur D. Little, Inc., submitted by Monsanto Co., Washington, DC; CDL; 250097-A)
00131014	Chadwick, M,; Hayes, D.; Branfman, A.; et al. (1983) Disposition and Metabolism of 14C-labeled Sodium Cyanurate in Rat: C-86329. Rev. (Unpublished study received Aug 29, 1983 under 524-107; prepared by Arthur D. Little, Inc., submitted by Monsanto Co., Washington, DC; CDL: 251124-A)
00132426	Fink, R. (1975) Eight-day Dietary LC50--Mallard Duck: ACL 85: Trichloro-s-triazinetrione: Project No. 139-113. Final rept. (Unpublished study received Oct 12, 1983 under 230-47; prepared by Truslow Farms, Inc., submitted by FMC Corp., Philadelphia, PA; CDL 251626-E)
00132427	Fink, R. (1975) Eight-day Dietary LC50--Bobwhite Quail: ACL 85: Trichloro-s-triazinetrione Project No. 139-112. Final rept. (Unpublished study received Oct 12, 1983 under 230-47; prepared by Truslow Farms, Inc., submitted by FMC Corp., Philadelphia, PA; CDL: 251626-F)
00132510	Consultox Laboratories, Ltd. (1974) Monosodium Cyanurate Teratogenicity Study in the Rabbit: CL 73: 101: 899. (Unpublished study received Oct 12, 1983 under 230-47; submitted by FMC Corp., Philadelphia, PA; CDL: 251642-A)
00132603	Fink, R. (1976) Acute Oral LD50--Mallard Duck: ACL-85: Trichloro-s-triazinetrione: Project NO. 139-120. Final rept. (Unpublished study received Oct 12, 1983 under 230-47; prepared by Wildlife International, Ltd., submitted by FMC Corp., Philadelphia, PA; CDL:251626-G)

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MRID	Citation
00144301	Beavers, J. (1984) A Dietary LC50 Study in the Mallard with Trichloroisocyanurate Acid: Final Report: Wildlife International Ltd. Project No. 201-105. Unpublished study prepared by Wildlife International Ltd. 14 p.
00144302	Beavers, J. (1984) A Dietary LC50 Study in the Bobwhite with Trichloroisocyanurate Acid Final Report: Wildlife International Ltd. Project No: 201-104. Unpublished study prepared by Wildlife International Ltd. 14 p.
00150286	Schardein, J. (1985) Three Generation Reproduction Study in Rats with Sodium Salt of Cyanuric Acid (S-Triazinetriol): Final Report: Study No. 497-001. Unpublished study prepared by International Research and Development Corp. 981 p.
00150962	Robaidek, E. (1985) Avian Single-dose Oral LC50 (in) Bob White Quail (Colinus virginianus): {Trichloroisocyanuric Acid}: Final Report: Study No. 6026-435. Unpublished study prepared by Hazelton Laboratories America, Inc. 26 p.
00150963	Robaidek, E. (1984) Avian Dietary LC50 {in} Mallard Duck (Anasplatyrhynchos): {Trichloroisocyanuric Acid}: Final Report: Study NO. 6026-449. Unpublished study prepared by Hazleton Laboratories America, Inc. 15 p.
00150964	Robaidek, E. (1984) Avian Dietary LC50 (in) Bob Quail (Colinus virginianus): {Trichloroisocyanuric Acid}: Final Report Study No. 6026-425. Unpublished study prepared by Hazleton Laboratories America, Inc. 12 p.
00150965	Barrows, B. (1984) The Acute Toxicity of TCCA/G (Trichlorocyanuric Acid) to the Bluegill Sunfish, Lepomis macreochirus, in a Static Test System: Biospheric Project No. 84E/058BG. Unpublished study prepared by Biospherics, Inc. 11 p.

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Chlorinated Isocyanurates Bibliography

MRID	Citation
00150966	Barrow, B. (1985) The Acute Toxicity of Trichlorocyanuric Acid (TCCA/G) to the Rainbow Trout, Salmo gairdneri, in a Static Test System: Biospheric Project No. 84E-058RT. Unpublished study prepared by Biospheric, Inc. 11 p.
00150967	Barrows, B. (1985) The Static Acute Toxicity of TCCA/G (Trichlorocyanuric Acid) to the Water Flea, Daphnia magna Straus: Biospherics Project No. 84E-058DM. Unpublished study prepared by Biospherics, Inc.11 p.
00154329	Surprenant, D., Hoberg, J. (1984) Acute Toxicity of Trichloroisocyanurate to the Daphnids (Daphnia nagma): Report BW-84-10-1668. Unpublished study prepared by Springborn Bionomics, Inc. 13 p.
40046502	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 25 p.
40046503	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 36 p.
40200401	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione: Supplement: Lab Project: 3307/R4-1577. Unpublished compilation prepared by Fertilizers & Chemicals Ltd. in cooperation with IMI--Institute for Research & Development, Ltd. 7 p.
40046502	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 25 p.

APPENDIX C

Chlorinated Isocyanurates Bibliography

MRID	Citation
40046503	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 36 p.
40200401	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione: Supplement: Lab Project: 3307/R4-1577. Unpublished compilation prepared by Fertilizers & Chemicals Ltd. in cooperation with IMI--Institute for Research & Development, Ltd. 7 p.
40046502	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 25 p.

40046503	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione. Unpublished study prepared by IMI - Institute for Research and Development Ltd. and Fertilizers & Chemicals Ltd. 36 p.
40200401	Richter, J. (1986) Product Chemistry Study: Trichloro-S-Triazinetrione: Supplement: Lab Project: 3307/R4-1577. Unpublished compilation prepared by Fertilizers & Chemicals Ltd. in cooperation with IMI--Institute for Research & Development, Ltd. 7 p.

40351801	US Environmental Protection Agency (1984) Ambient Water Quality Criteria for Chlorine - 1984. Office of Water Regulations and Standards, Criteria and Standards Div. Available from NTIS, PB85-2274-429.

APPENDIX C

Chlorinated Isocyanurates Bibliography

MRID	Citation
40414401	Doshida, A. (1987) Trichloroisocyanuric Acid--Product Chemistry ...Product Identity and Composition: Laboratory Project ID: 001/87. Unpublished compilation prepared by Nippon Soda Co., Ltd. 43p.
40414402	Doshida, A. (1987) Trichloroisocyanuric Acid--Product Chemistry ...Analysis and Certification of Product Ingredients: Laboratory Project ID; 002/87. Unpublished compilation prepared by Nippon Soda Co., Ltd. 138 p.
40414403	Doshida, A. (1987) Trichloroisocyanuric Acid--Product Chemistry ...Physical and Chemical Characteristics: Laboratory Project ID: 003/87. Unpublished compilation prepared by Nippon Soda Co., Ltd. 95 p.
40802401	Todhunter, J. (1988) Product Analysis Data and Certification of Limits for Cdf Chimie's Oniachlor 90, Oniachlor 60, Oniachlor EC TICA Granular and SDIC Granular: Project ID. CDF/PRODANAL.SUB. Unpublished study prepared by Todhunter, Mandava, and Assoc. 46 p.
40829001	Olin Corp. (1988) Description of Manufacturing Processes; discussion of Composition and Certification for: 1. Trichloro-s-triazinetrione; sodium dichloro-s-triazinetrione; sodium dichloro-s-triazinetrione dihydrate. Unpublished study. 15 p.
40879501	Nelson, G. (1988) Product Chemistry: ACL 90 Plus Chlorinating Composition: Laboratory Project ID MSL-8173. Unpublished study prepared by Monsanto Co. 131 p.
40898501	Nelson, G. (1988) Product Chemistry: ACL 60 Chlorinating Composition: Project ID: MSL-8201. Unpublished study prepared by Monsanto Co. 58 p.

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Chlorinated Isocyanurates Bibliography

MRID	Citation
40898601	Nelson, G. (1988) Product Chemistry: ACL 56 Chlorinating Composition: Project ID: MSL-8202. Unpublished study prepared by Monsanto Co. 150 p.
40927401	Nelson, G. (1988) Product Chemistry: ACL 59 Chlorinating Composition: Laboratory Project ID MSL-8215. Unpublished study prepared by Monsanto Co. 160 p.
40933103	Mandava, N.; Todhunter, J. (1988) Hi-Lite 60P ...: Product Chemistry: Physical and Chemical Characteristics and Other Requirements. Unpublished study prepared by Nissan Chemical Industries Ltd. 27 p.
40933104	Mandava, N.; Todhunter, J. (1988) Hi-Lite 90P ...: Product Chemistry: Product Identity and Composition. Unpublished study prepared by Nissan Chemical Industries, Ltd. 32 p.
40933107	Mandava, N.; Todhunter, J. (1988) Hi-Lite 90G ...: Product Chemistry: Product Identity and Composition. Unpublished study prepared by Nissan Chemical Industries, Ltd. 32 p.
40933112	Mandava, N.; Todhunter, J. (1988) Hi-Lite 60G ...: Product Chemistry: Physical and Chemical Characteristics and Other Requirements. Unpublished study prepared by Nissan Chemical Industries Ltd. 27 p.
40933115	Mandava, N.; Todhunter, J. (1988) Nissan D.C.C.Na. Granular ...: Product Chemistry: Physical and Chemical Characteristics and Other Requirements. Unpublished study prepared by Nissan Chemical Industries, Ltd. 27 p.
40933116	Mandava, N.; Todhunter, J. (1988) Nissan T.C.C.A. Granular ...: Product Chemistry: Product Identity and Composition. Unpublished study prepared by Nissan Chemical Industries, Ltd. 32 p.

APPENDIX C

Chlorinated Isocyanurates Bibliography

MRID	Citation
40992403	Richter, J. (1989) [Product Chemistry]: Trichloro-s-triazinetrione Tablets: Laboratory Project: 1988-12. Unpublished study prepared by Fertilizers & Chemicals Ltd. 25 p.
41010602	Three-V Chemical Corp. (1989) Product Specific Data: Analysis and Certification of Product Ingredients: Oxidan TCA. Unpublished compilation. 11 p.
41010702	Three-V Chemical Corp. (1989) Oxidan: Analysis and Certification of Product Ingredients. Unpublished study. 10 p.
41044301	Quintini, M. (1989) Trichloro-s-triazinetrione: Product Specific Data: Laboratory Project ID: API 101-88. Unpublished study prepared by Apital Produzioni Industriali S.p.A. 4 p.
41044401	Quintini, M. (1989) Sodium Dichloro-s-triazinetrione: Product Specific Data: API 102=88. Unpublished study prepared by Apital Produzioni Industriali S.p.A. 3 p.
41044402	Quintini, M. (1988) Sodium Dichloro-s-triazinetrione: Product Chemistry: Laboratory Project ID API 102-88. Unpublished study prepared by Apital Produzioni Industriali S.p.A. 3 p.
41044501	Quintini, M. (1989) Sodium Dichloro-s-triazinetrione Dihydrate: Product Specific Data: Laboratory Project ID API 103-88. Unpublished study prepared by Apital Produzioni Industriali S.p.A. 3 p.
41044502	Quintini, M. (1988) Sodium Dichloro-s-triazinetrione Dihydrate: Generic Data: Product Chemistry: Laboratory Project ID API 103-88. Unpublished study prepared by Apital Produzioni Industriali S.p.A. 3 p.

APPENDIX C

Chlorinated Isocyanurates Bibliography

MRID	Citation
41054103	Mandava, N.; Todhunter, J. (1989) Nissan D.C.C.Na. Dihydrate Granular: Product Chemistry: Physical and chemical Characteristics and Other Requirements. Unpublished study prepared by Nissan Chemical Industries, Ltd. 130 p.
41072201	Doshida, A. (1987) Sodium dichloroisocyanurate dihydrate--Product Chemistry (Sodium dichloro-s-triazinetrione dihydrate): Product Identity and Composition: Project ID: Nisso/Chiba No. 011/87. Unpublished study prepared by Nippon Soda Co., Ltd. 22 p.
41072203	Doshida, A. (1987) Sodium dichloroisocyanurate Dihydrate--Product Chemistry (Sodium Dichloro-s-triazinetrione Dihydrate): Physical and Chemical Characteristics: Project ID: Nisso/Chiba No. 013/87. Unpublished study prepared by Nippon Soda Co., Ltd. 93 p.
41119301	Shikoku Chemicals Corp. (1989) Analysis and Certification of Product Ingredients: Neo-Chlor 90: Shikoku-1989-3. Unpublished study prepared by Shikoku Chemicals Corp. 11 p.
41513601	Skirkanich, N. (1990) Product Chemistry: Thrifty Granular, Thrifty Black Algaecide, Thrifty Sticks, Thrifty 1" Tablets and Thrifty 3" Tablets. Unpublished study prepared by Olin Corp. Research Center. 26 p.

APPENDIX D

List of Available Related Documents

The following is a list of available documents related to the chlorinated isocyanurates. Its purpose is to provide a path to more detailed information if it is needed. These accompanying documents are part of the Administrative Record for the chlorinated isocyanurates and are included in the EPA's Office of Pesticide Programs Public Docket.

1. Health and Environmental Effects Science Chapters

2. Detailed Label Usage Information System (LUIS) Report

3. Chlorinated Isocyanurate RED Fact Sheet

4. PR Notice 91-2 (included in this RED) pertains to the Label Ingredient Statement

Federal publications on the chlorinated isocyanurates are available and may be purchased from the National Technical Information Service (NTIS) 5285 Port Royal Road, Springfield, VA 22161. (Phone #: (703) 487-4650.

1. Guidance for the Reregistration of Pesticide Products Containing Chlorinated Isocyanurates as the Active Ingredient (The 1988 Registration Standard): NTIS Stock No. PB88-220660.

2. "Compendium of Acceptable Uses" (The use index for the 1988 Registration Standard) NTIS Stock No. PB89-122147.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

Mar 2

PR NOTICE 91-2

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

NOTICE TO MANUFACTURERS, PRODUCERS, FORMULATORS, AND REGISTRANTS OF PESTICIDES

ATTENTION: Persons Responsible for Federal Registration of Pesticide Products.

SUBJECT: Accuracy of Stated Percentages for Ingredients Statement

I. PURPOSE:

The purpose of this notice is to clarify the Office of Pesticide Program's policy with respect to the statement of percentages in a pesticide's label's ingredient statement. Specifically, the amount (percent by weight) of ingredient(s) specified in the ingredient statement on the label must be stated as the nominal concentration of such ingredient(s), as that term is defined in 40 CFR 158.153(i). Accordingly, the Agency has established the nominal concentration as the only acceptable label claim for the amount of active ingredient in the product.

II. BACKGROUND

For some time the Agency has accepted two different methods of identifying on the label what percentage is claimed for the ingredient(s) contained in a pesticide. Some applicants claimed a percentage which represented a level between the upper and the lower certified limits. This was referred to as the nominal concentration. Other applicants claimed the lower limit as the percentage of the ingredient(s) that would be expected to be present in their product at the end of the product's shelf-life. Unfortunately, this led to a great deal of confusion among the regulated industry, the regulators, and the consumers as to exactly how much of a given ingredient was in a given product. The Agency has established the nominal concentration as the only acceptable label claim for the amount of active ingredient in the product.

Current regulations require that the percentage listed in the active ingredient statement be as precise as possible reflecting good manufacturing practices 40 CFR 156.10(g)(5). The certified limits required for each active ingredient are intended to encompass any such "good manufacturing practice" variations 40 CFR 158.175(c)(3).

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The upper and lower certified limits, which must be proposed in connection with a product's registration, represent the amounts of an ingredient that may legally be present 40 CFR 158.175. The lower certified limit is used as the enforceable lower limit for the product composition according to FIFRA section 12(a)(1)(C), while the nominal concentration appearing on the label would be the routinely achieved concentration used for calculation of dosages and dilutions.

The nominal concentration would in fact state the greatest degree of accuracy that is warranted with respect to actual product composition because the nominal concentration would be the amount of active ingredient typically found in the product.

It is important for registrants to note that certified limits for active ingredients are not considered to be trade secret information under FIFRA section 10(b). In this respect the certified limits will be routinely provided by EPA to States for enforcement purposes, since the nominal concentration appearing on the label may not represent the enforceable composition for purposes of section 12(a)(1)(C).

III. REQUIREMENTS

As described below under Unit V. " COMPLIANCE SCHEDULE," all currently registered products as well as all applications for new registration must comply with this Notice by specifying the nominal concentration expressed as a percentage by weight as the label claim in the ingredient(s) statement and equivalence statements if applicable (e.g., elemental arsenic, metallic zinc, salt of an acid). In addition, the requirement for performing sample analyses of five or more representative samples must be fulfilled. Copies of the raw analytical data must be submitted with the nominal ingredient label claim. Further information about the analysis requirement may be found in the 40 CFR 158.170. All products are required to provide certified limits for each active, inert ingredient, impurities of toxicological significance(i.e., upper limit(s) only) and on a case by case basis as specified by EPA. These limits are to be set based on representative sampling and chemical analysis(i.e., quality control) of the product.

The format of the ingredient statement must conform to 40 CFR 156-Labeling Requirements For Pesticides and Devices.

After July 1, 1997, all pesticide ingredient statements must be changed to nominal concentration.

IV. PRODUCTS THAT REQUIRE EFFICACY DATA

All pesticides are required to be efficacious. Therefore, the certified lower limits may not be lower than the minimum level to achieve efficacy. This is extremely important for products which are intended to control pests which threaten the public health, e.g., certain antimicrobial and rodenticide products. Refer to 40 CFR 158.640.

In those cases where efficacy limits have been established, the Agency will not accept certified lower limits which are below that level for the shelf life of the product.

V. COMPLIANCE SCHEDULE

As described earlier, the purpose of this Notice is to make the registration process more uniform and more manageable for both the agency and the regulated community. It is the Agency's intention to implement the requirements of this notice as smoothly as possible so as not to disrupt or delay the Agency's high priority programs, i.e., reregistration, new chemical, or fast track (FIFRA section 3(c)(3)(B). Therefore, applicants/registrants are expected to comply with the requirements of this Notice as follows:

(1) Beginning July 1, 1991, all new product registrations submitted to the Agency are to comply with the requirements of this Notice.

(2) Registrants having products subject to reregistration under FIFRA section 4(a) are to comply with the requirements of this Notice when specific products are called in by the Agency under Phase V of the Reregistration Program.

(3) All other products/applications that are not subject to (1) and (2) above will have until July 1, 1997, to comply with this Notice. Such applications should note "Conversion to Nominal Concentration" on the application form. These types of amendments will not be handled as "Fast Track" applications but will be handled as routine requests.

VI. FOR FURTHER INFORMATION

Contact Tyrone Aiken for information or questions concerning this notice on (703) 557-5024.

Anne E. Lindsay

Anne E. Lindsay, Director
Registration Division (H-7505

APPENDIX E

Pesticide Reregistration Handbook

United States
Environmental Protection
Agency

Office of
Pesticide Programs

October 1991

EPA

Pesticide Reregistration Handbook

How to Respond to the Reregistration Eligibility Document (RED)

Printed on ...

PESTICIDE REREGISTRATION HANDBOOK

HOW TO RESPOND TO THE

REREGISTRATION ELIGIBILITY DOCUMENT (RED)

OFFICE OF PESTICIDE PROGRAMS

ENVIRONMENTAL PROTECTION AGENCY

OCTOBER 1991

Printed on Re

PRODUCT REREGISTRATION HANDBOOK

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PESTICIDE REREGISTRATION HANDBOOK

I. INTRODUCTION

A. Purpose and Content of this Handbook

This Handbook provides instructions to registrants on how to respond to the Reregistration Eligibility Document (hereafter referred to as the "RED") and how to reregister products.

Section I is this introduction.

Section II contains step-by-step instructions which must be followed by registrants responding to the RED.

Section III provides additional instructions on the format, content and other aspects of generic data, product specific data and labels/labeling which may be required to be submitted.

Detailed instructions are in the Appendix.

B. The Reregistration Eligibility Document (RED)

Under Section 4 of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended in 1988, EPA is required to reregister pesticides that were first registered before November 1, 1984. The RED describes in detail the subject chemical, its uses and its regulatory history; describes EPA's decision concerning the eligibility of the uses of the chemical for reregistration; and explains the scientific and regulatory bases for this decision. EPA's reviews of the data by scientific discipline are available upon request.[1] Appendices to the RED contain: (1) a Data Dall-In Notice which requires submission of generic and product specific data and which gives directions for responding, (2) a listing of existing studies that satisfy generic data requirements and (3) a bibliography of the generic studies EPA has reviewed.

C. The Reregistration Process

Reregistration involves a thorough review of the scientific data base underlying a pesticide's registration. The purpose of EPA's review is to reassess the potential hazards arising from the currently registered uses of the pesticide, to determine whether the data base is substantially complete or there is need for additional generic data, and to determine whether the pesticide is eligible for reregistration. This decision is issued as the RED.

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[1] EPA's science reviews and information on the registered uses considered for EPA's analyses may be obtained from: EPA, Freedom of Information, 401 M St., S.W., Washington, D.C. 20460.

If the RED declares that some or all uses of the chemical are eligible for reregistration, affected registrants must first respond within 90 days of receipt to the data call-in portion of the RED. Within 8 months of receiving the RED, registrants must submit or cite any data and labels/labeling required for each product. EPA has until 14 months after the RED is issued (i.e., 6 months after the registrants' 8 month deadline) to review the submission for each product and decide whether to reregister it based on the following criteria:

--whether all of the product specific data and labels/labeling are acceptable,

--whether all of the uses on the label/labeling are eligible,

--whether all of the active ingredients in the product are eligible, and

--if no List 1 toxic inert ingredient is contained in the product (a List 1 inert is permitted only if all data for it have been submitted and EPA determines that the inert does not pose any unreasonable adverse effects in that product).

Products which meet all of these criteria will be **reregistered.** Products which do not meet all of these criteria, but which have acceptable product specific data and labeling, will be processed as **amendments** in order to implement label changes required by the RED.

II. INSTRUCTIONS FOR RESPONDING

A. How and When to Respond

This section provides directions for submitting timely and adequate responses necessary to reregister products containing the active ingredient covered by the RED. Registrants must follow these steps exactly to avoid suspension of their products. All products containing the active ingredient in the RED [i.e., manufacturing use products, end use products and special local need (SLN or Section 24c) registrations] are subject to the requirements of the RED. Figure 1 summarizes how and when to respond to the RED. A step-by-step explanation follows.

Step 1. Are Expedited Label Changes Required? In some instances, EPA may conclude that certain changes to product labels/labeling must be implemented rapidly. If the RED requires expedited label/labeling changes, registrants must submit the items below by the deadline specified in the RED. If expedited label changes are not required, go to Step 2.

a. **Application for Registration** (EPA Form 8570-1). Complete

and sign the form. In Section II, insert the phrase **"Expedited Amendment in Response to the Reregistration Eligibility Document for (insert case name for chemical)."** Applications for expedited label changes will be processed as applications for amended registration. **Use only an original application form with a red identifier number in the upper right-hand corner.**

b. **Five (5) copies of revised draft label and labeling.** Refer to the RED for label/labeling changes and follow the instructions in Section III.C. and the Appendix of this Handbook for revising the label and labeling for each product.

Step 2. Are data required? **If the RED requires generic or product specific data, you must follow the directions in the data call-in notice in the RED. All registrants must respond for all products within 90 days of receipt; products for which an adequate response is not received on time will be subject to suspension. No time extensions will be given for responding within 90 days.**

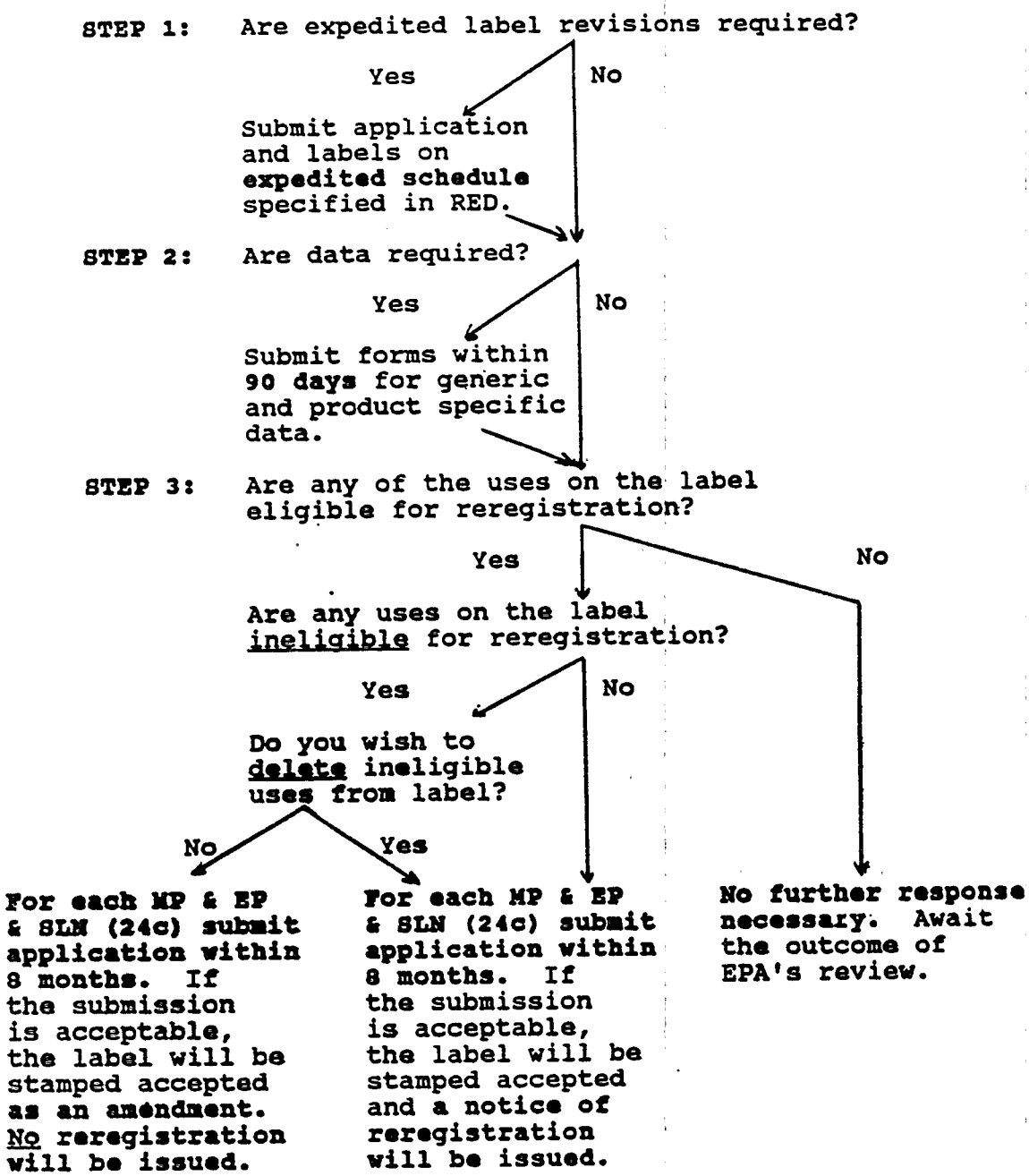
Step 3. Are Uses of a Pesticide Eligible for Reregistration? If any uses of the active ingredient(s) covered by the RED are eligible for reregistration, follow these instructions. If no uses are eligible, no further response may be needed (see page 5).

EPA's decision on the eligibility of each of the uses of the active ingredient(s) is presented in the RED. **If any uses of a chemical are eligible for reregistration, registrants for manufacturing-use products (MPs), end-use products (EPs) and special local needs registrations (SLNs), must submit the items below for each product within 8 months of the date of issuance of the RED:**

a. **Application for Reregistration (use EPA Form 8570-1).** Complete and sign the form. In Section II of that form, check the box "Other" and insert the phrase **"Application for Reregistration." Use only an original application form with a red identifier number in the upper right-hand corner.**

b. **Five (5) copies of revised draft label and labeling.** Refer to the RED for labeling changes specific to the active ingredient, follow the instructions in Section III.C. of this Handbook and refer to the Appendix of this Handbook for guidance on current requirements for labels and labeling. If there are **ineligible uses** on the label or labeling, you may delete such uses and avoid all requirements and consequences which may be associated with ineligible uses (e.g, generic data requirements, cancellation, suspension, etc.). If you delete certain uses now and those uses become eligible for reregistration later, you must submit an amendment application to add those uses back to the label.

FIGURE 1. HOW AND WHEN TO RESPOND TO THE REREGISTRATION ELIGIBILITY DOCUMENT (RED) FOR MANUFACTURING USE PRODUCTS (MPs), END-USE PRODUCTS (EPs) and SPECIAL LOCAL NEEDS REGISTRATIONS (SLNs).



c. **Product Specific Data. You must follow the instructions in the Data Call-In Notice in the RED and in Section III of this Handbook. Responses to the data call in are due within 90 days of receipt of the RED and submission or citation of data is due within 8 months of the issuance of the RED.**

d. **Two (2) copies of the current Confidential Statement of Formula (EPA Form 8570-4, revised February 85).** Two completed and signed CSF forms must be submitted for the **basic formulation** and for **each alternate formulation.** If CSFs are not provided for the alternate formulas, they will **not** be reregistered and will no longer be acceptable. The Appendix of this Handbook has specific instructions for completing the CSF form.

e. **Certification With Respect to Citation of Data (EPA Form 8570-31).** This form must be completed, signed and submitted for each product to assure that the data compensation provisions of FIFRA are met.

B. When No Response is Needed

If no uses of a pesticide are eligible for reregistration, it is unlikely that you will be required to submit product specific data or labeling. Uses of an active ingredient may be declared ineligible for reregistration for two possible reasons:

--Available data indicate that one or more of the criteria for an in-depth special review have been met;

--Additional generic data are required.

In the first instance, if the active ingredient is placed into special review, reregistration activities associated with those uses of the chemical are stopped until EPA makes a final determination. At that time, EPA will indicate which uses may be eligible for reregistration and which uses are to be cancelled. If some or all of the previously ineligible uses become eligible for reregistration, EPA will start the reregistration process for products containing only eligible uses.

In the second instance, based upon the review of studies for an active ingredient during reregistration, additional generic data (e.g., second- or third-tier studies) may be needed (see the RED). In such cases, the chemical's uses will not be eligible for reregistration until the additional generic data have been submitted to and reviewed and found acceptable by EPA. If the data are reviewed and found to be acceptable, EPA will indicate which uses will be eligible for reregistration and will initiate reregistration of products containing previously ineligible uses. If the data are not submitted, products containing the active ingredient may be suspended.

C. Where to Respond

By U.S. Mail:

Document Processing Desk **(insert distribution code)**
Office of Pesticide Programs (H7504C)
Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460-0001

By express mail or by hand delivery:

Document Processing Desk **(insert distribution code)**
Office of Pesticide Programs (H7504C)
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

These mailing addresses and the following distribution codes must be used to assure the timely receipt and processing of your submissions. Not using them may significantly delay the handling of your submissions:

RED-SRRD-xxx (where xxx is the case code given on the front of the RED)--use this distribution code for all responses pertaining to or containing generic data. Such responses include the 90-day response forms for generic data or hard copies of generic data.

RED-RD-PMxx (where xx is the Product Manager team number)--use this distribution code for all responses pertaining to or containing product specific data or labeling. Such responses would include expedited labeling amendments, 90-day responses to product specific data requirements, hard copies of product specific data and applications for reregistration.

III. SUBMISSION OF DATA AND LABELS/LABELING

This section provides additional instructions concerning responses required for generic data, product specific data and labels/labeling.

A. Generic Data

During EPA's evaluation of an active ingredient for reregistration, additional generic data requirements may be identified that registrants must fulfill. In some instances these data requirements would have to be satisfied before an active ingredient or some of its uses could be declared eligible for reregistration. In other cases, these new data requirements would not affect the eligibility of the active ingredient, but would be necessary to confirm EPA's assessment of that chemical.

Any new data requirements and how they affect reregistration eligibility of a chemical are discussed in the RED. If new generic data requirements are imposed in a Data Dall-In Notice in the RED, registrants must respond as described in that Notice. The RED also contains instructions for completing these forms, a citation of EPA's legal authority for requiring the new data, a listing of options available to registrants for satisfying the data requirements and the name of the contact person for inquiries.

B. Product Specific Data

Product specific data may be required for the reregistration of each pesticide product in three areas--product chemistry, acute toxicity and efficacy.

1. Product Chemistry

Following are instructions for submitting product-specific data and a discussion of EPA's policy on inert ingredients.

a. Data

All data requirements for MPs, EPs and SLNs (24c's) are specified in the Data Call-In Notice in the RED. In addition:

--If you cite data from another identical, registered product, you must identify the EPA registration number of that product.

--If the product-specific data submitted or cited do not pertain to an identical formulation to the product submitted for reregistration, then new product-specific data are required to be submitted by the deadline specified in the Data Call-In Notice. The only exception is for products which EPA "groups" together a being similar enough to depend on the same data. Such groupings are discussed in the appendix to the RED (for acute toxicity purposes, for example), if it was feasible to do so.

b. Inert Ingredients

EPA has implemented a strategy for regulating inert ingredients which affects the reregistration of pesticide products. This strategy, issued on April 22, 1987 (52 FR 13305-13309) and updated on November 22, 1989 (54 FR 48314-48316), adopted certain policies designed to reduce the potential for adverse effects from pesticide products containing intentionally added inert ingredients. EPA divided the known inert ingredients into four categories:

--Inerts of toxicological concern (List 1) for which available data demonstrate toxic effects of concern (includes about 50 chemicals).

--Potentially toxic inerts (List 2) for which only limited data are available, but such data or the chemical structure suggest the potential for toxicity (includes about 60 chemicals).

--Inerts of unknown toxicity (List 3) for which no data or bases for suspecting toxic effects are available (includes up to 2,000 chemicals).

--Inerts of minimal concern (List 4) which are generally regarded as innocuous (includes about 290 chemicals).

When a RED is issued and any uses of an active ingredient are declared eligible for reregistration, all products containing that active ingredient will be subject to reregistration. EPA will, as part of the reregistration review, examine the inert ingredients of each product prior to reregistration to ensure that they do not present unreasonable risks. In reviewing the product chemistry data, EPA will identify List 1 inerts. EPA will continue to encourage registrants to eliminate any List 1 inerts present. Reregistration of products containing only List 2, 3 or 4 inerts will be unaffected by the inerts strategy.

Consistent with the strategy on inerts, **a product containing a List 1 inert ingredient will <u>not</u> be reregistered until a full risk assessment of the product has been conducted, based on the data called in for that inert ingredient.** However, the existing registration of a product containing a List 1 inert will remain valid as long as the product bears the required label warning and is in compliance with any outstanding DCI, or other activity under the inerts strategy.

Any product containing a List 2, 3 or 4 inert <u>may</u> be reregistered <u>if</u> it meets all other requirements for reregistration. As the inerts strategy is implemented and data for the List 2 and 3 inerts are reviewed, EPA may move these inerts to the other Lists. If an inert were moved to List 1, products containing that inert would become ineligible for reregistration. Inert ingredients must also meet normal registration and tolerance requirements, as applicable.

2. <u>Acute Toxicity</u>

The data call-in notice in the RED specifies the acute toxicity data required for reregistration of each MP or EP. It indicates whether any of the standard tests have been waived and, if so, why.

If feasible, EPA will "batch" products that are similar with respect to their acute toxicity so that one set of tests can support reregistration of each baatch of products. This approach will impose the least amount of testing necessary to adequately support the registration and labeling for pesticide products. The

main benefits of this approach are to minimize the need for animal testing, reduce the expense to registrants to generate the tests and decrease the resources EPA must spend on reviewing data. Registrants may contact other registrants with products in the same "batch" to decide whether to provide or depend on one set of data; alternatively, registrants may choose to conduct their own studies.

3. Product Performance

Consult the Data Call-In section of the RED to determine whether Product Performance data are required for your product.

Product performance (efficacy) data are generated in studies designed to document how candidate pesticide formulations perform as pest control agents. These data include tests run to determine whether a formulation is lethal to certain pest species, to document the effectiveness of the formulation in controlling pest species in actual use situations, and to determine whether certain claims beyond mere control of a pest (e.g., "six-month residual effect," "kills Warfarin resistant house mice," etc.) are justified.

EPA has standard protocols for certain efficacy tests. In general, standard methods have been developed for tests needed to substantiate claims that have been made frequently for pesticide products. As the scope of potential pesticidal claims is extremely broad, the Agency does not have standard methods for tests needed to substantiate many pesticide claims, especially those that are uncommon. The Product Performance Guidelines, Subdivision G, offer general guidance for developing protocols for efficacy testing. Proposed protocols should be submitted to EPA for review before tests are initiated.

a. Efficacy Data Submission Waiver Policy

FIFRA gives the Administrator of EPA authority "to waive data requirements pertaining to efficacy" but does not require that efficacy data requirements be waived for any class of pesticide product registered under Section 3 of the Act. As a matter of policy, EPA does not require submission of efficacy data to support many types of pesticidal claims but does require submission of such data for certain types of claims. As noted in 40 CFR 158.640, this waiver applies to the submission of efficacy data rather than to the generation of efficacy data. EPA expects each registrant to "ensure through testing that his products are efficacious when used in accordance with commonly accepted pest control practices."

This general policy notwithstanding, EPA may, at any time, require a registrant to submit efficacy data to support any claim made for a product. EPA also may require that certain claims of effectiveness be established before a Section 3 registration is granted.

b. Claims and Products for Which Efficacy Data Generally Are Required

Submission of efficacy data at reregistration typically is required for the following types of products:

1. products claimed to control microorganisms that pose potential threats to public health;

2. products claimed to control vertebrate pests that may directly or indirectly transmit diseases to humans;

3. potentially very hazardous products for which EPA determines that it is necessary to conduct a "risk-benefits" analysis;

4. products of types for which EPA has reasons (e.g., consumer complaints, unlikely claims, unusual use patterns, etc.) to question claims; and

C. Labels and Labeling

To remain in compliance with FIFRA, the label and labeling of each product must be revised to meet the requirements for reregistration as described below. "Labeling" includes the container label and any written, printed or graphic matter that accompanies the pesticide in U.S. commerce at any time (such as technical bulletins, collateral labeling, etc.). **Applications for new uses or labeling changes that do not pertain to reregistration must be filed separately from the application for reregistration described in Step 3 earlier.** Changes to labeling which must be made for reregistration include, but are not limited to:

1. Labeling changes specified in the RED. Such changes may include statements on RESTRICTED USE, groundwater hazards, protective clothing/equipment, endangered species, environmental hazards, etc.

2. The format and content of labeling as described in 40 CFR 156.10. When further acute testing is needed, the currently accepted precautionary statements will usually be retained until testing is completed and the data are reviewed.

3. Labeling changes required by Pesticide Regulatory (PR) Notices, regulations, regulatory decisions and policies issued by EPA which are relevant to the pesticide. Your product's labeling must reflect any applicable requirements which are in effect at the time the RED is issued. Some existing notices are referred to in Section B. of the Appendix.

APPENDIX

A. Confidential Statement of Formula and Instructions

B. Instructions for Label Contents

C. Sample Label Formats--General Use & Restricted Use

D. Label Regulations (40 CFR 156.10)

EPA

United States Environmental Protection Agency
Office of Pesticide Programs (TS-767)
Washington, DC 20460

Confidential Statement of Formula

A ☐ Basic Formulation ☐ Alternate Formulation

B Page of

See Instructions on Back

1. Name and Address of Applicant/Registrant *(Include ZIP Code)*

2. Name and Address of Producer *(Include ZIP Code)*

3. Product Name

4. Registration No /File Symbol

5. EPA Product Mgr/Team No

6. Country Where Formulated

7. Pounds/Gal or Bulk Density

8. pH

9. Flash Point/Flame Extension

EPA USE ONLY	10. Components in Formulation *(List as actually introduced into the formulation. Give commonly accepted chemical name, trade name, and CAS number.)*	11. Supplier Name & Address	12. EPA Reg. No.	13. Each Component in Formulation a. Amount	b. % by Weight	14. Certified Limits % by Weight a. Upper Limit	b. Lower Limit	15. Purpose in Formulation

16 Typed Name of Approving Official

17 Total Weight 100%

18 Signature of Approving Official

19 Title

20 Phone No *(Include Area Code)*

21 Date

2 PSI Previous editions are obsolete.

Original and second copy to EPA
Third copy to Applicant

Instructions for Completing the Confidential Statement of Formula

The Confidential Statement of Formula (CSF) Form 8570-4 must be used. Two legible, signed copies of the form are required. Following are basic instructions:

a. All the blocks on the form must be filled in and answered completely.

b. If any block is not applicable, mark it N/A.

c. The CSF must be signed, dated and the telephone number of the responsible party must be provided.

d. All applicable information which is on the product-specific data submission must also be reported on the CSF.

e. All weights reported under item 7 must be in pounds per gallon for liquids and pounds per cubic feet for solids.

f. Flashpoint must be in degrees Fahrenheit and flame extension in inches.

g. For all active ingredients, the EPA Registration Numbers for the currently registered source products must be reported under column 12.

h. The Chemical Abstracts Service (CAS) Numbers for all actives and inerts and all common names for the trade names must be reported.

i. For the active ingredients, the percent purity of the source products must be reported under column 10 and must be exactly the same as on the source product's label.

j. All the weights in columns 13.a. and 13.b. must be in pounds, kilograms, or grams. In no case will volumes be accepted. Do not mix English and metric system units (i.e., pounds and kilograms).

k. All the items under column 13.b. must total 100 percent.

l. All items under columns 14.a. and 14.b. for the active ingredients must represent pure active form.

m. The upper and lower certified limits for all active and inert ingredients must follow the 40 CFR 158.175 instructions. An explanation must be provided if the proposed limits are different than standard certified limits.

n. When new CSFs are submitted and approved, all previously submitted CSFs become obsolete for that specific formulation.

B. INSTRUCTIONS FOR LABEL CONTENTS

40 CFR 156.10 and Pesticide Regulatory (P.R.) Notices require that specific labeling statements appear at certain locations on the label. The sample label formats in Appendix C show where these statements are to be placed.

Item 1. PRODUCT NAME - The name, brand or trademark is required to be located on the front panel, preferably centered in the upper part of the panel. The name of a product will not be accepted if it is false or misleading. [40 CFR 156.10(b)]

Item 2. COMPANY NAME AND ADDRESS - The name and address of the producer, registrant or person for whom the product is produced are required on the label and should be located at the bottom of the front panel or at the end of the label text. [40 CFR 156.10(c)]

Item 3. NET CONTENTS - A net contents statement is required on all labels or on the container of the pesticide. The preferred location is the bottom of the front panel immediately above the company name and address, or at the end of the label text. The net contents must be expressed in the largest suitable unit, e.g., "1 pound 10 ounces" rather than "26 ounces." In addition to English units, net contents may be expressed in metric units. [40 CFR 156.10(d)]

Item 4. EPA REGISTRATION NUMBER - The registration number assigned to the pesticide product must appear on the label, preceded by the phrase "EPA Registration No.," or "EPA Reg. No." The registration number must be set in type of a size and style similar to other print on that part of the label on which it appears and must run parallel to it. The registration number and the required identifying phrase must not appear in such a manner as to suggest or imply recommendation or endorsement of the product by the Agency. [40 CFR 156.10(e)]

Item 5. EPA ESTABLISHMENT NUMBER - The EPA establishment number, preceded by the phrase "EPA Est." is the final establishment at which the product was produced, and may appear in any suitable location on the label or immediate container. It must also appear on the wrapper or outside container of the package if the EPA establishment number on the immediate container cannot be clearly read through such wrapper or container. [40 CFR 156.10(f)]

Item 6A. INGREDIENTS STATEMENT - An ingredients statement is normally required on the front panel. The ingredients statement must contain the name and percentage by weight of each active ingredient and the total percentage by weight of all inert ingredients. The preferred location is immediately below the product name. The ingredients statement must run parallel with, and be clearly distinguished from, other text on the panel. It must not be placed in the body of other text. [40 CFR 156.10(g)]

Item 6B. POUNDS PER GALLON STATEMENT - For liquid agricultural

formulations, the pounds per gallon of active ingredient must be indicated on the label. [40 CFR 156.10(h)(iv)]

Item 6C. NAMES TO BE USED IN INGREDIENT STATEMENT - The acceptable common name, if there is one, shall be used, followed by the chemical name. If no common name has been established, the chemical name alone shall be used. Chemicals related to the active ingredient are allowed to be listed only if efficacy data supporting such claims are submitted or referenced. If such data are provided, the related chemicals must be listed separately and not as a portion of the active ingredient.

Item 6D. INERT INGREDIENTS RECLASSIFIED AS ACTIVE INGREDIENTS - If EPA has reclassified chemicals from inert ingredient status to active ingredient status, registrants of affected products must change the ingredient statement accordingly (See 52 FR 13307-8, April 22, 1987). If such pesticides have food uses, tolerances must either be established for such uses, or an exemption from the requirement for tolerances must be obtained.

Item 6E. NOMINAL CONCENTRATION - The amount of active ingredient declared in the ingredient statement must be the nominal concentration of the product as defined in 40 CFR 158.153(i) and described in P.R. Notice 91-2.

Item 7. WARNINGS AND PRECAUTIONARY STATEMENTS - Front panel precautionary statements must be grouped together, preferably within a block outline. The table below shows the minimum type size requirements for various size labels.

Size of Label on Front Panel in Square Inches	Signal Word Minimum Type Size All Capitals	"Keep Out of Reach of Children" Minimum Type Size
5 and under	6 point	6 point
above 5 to 10	10 point	6 point
above 10 to 15	12 point	8 point
above 15 to 30	14 point	10 point
over 30	18 point	12 point

Item 7A. CHILD HAZARD WARNING STATEMENT - The statement "Keep Out of Reach of Children" must be located on the front panel above the signal word except where contact with children during distribution or use is unlikely. [40 CFR 156.10(h)(1)(ii)]

Item 7B. SIGNAL WORD - The signal word (DANGER, WARNING, or CAUTION) is required on the front panel immediately below the child hazard warning statement. [40 CFR 156.10(h)(1)(i)].

Item 7C. SKULL & CROSSBONES AND WORD "POISON" - On products assigned a toxicity Category I on the basis of oral, dermal, or inhalation toxicity, the word "Poison" shall appear on the label in red on a background of distinctly contrasting color and the skull and crossbones shall appear in immediate proximity to the word POISON. [40 CFR 156.10(h)(1)(i)].

Item 7D. STATEMENT OF PRACTICAL TREATMENT - A statement of practical treatment (first aid or other) shall appear on the label of pesticide products in toxicity Categories I, II, and III. [40 CFR 156.10(h)(1)(iii)]

Item 7E. REFERRAL STATEMENT - The statement "see Side (or Back) Panel for Additional Precautionary Statements" is required on the front panel for all products, unless all required precautionary statements appear on the front panel. [40 CFR 156.10(h)(1)(iii)].

Item 8. SIDE/BACK PANEL PRECAUTIONARY LABELING - The precautionary statements listed below must appear together on the label under the heading "PRECAUTIONARY STATEMENTS." The preferred location is at the top of the side or back panel preceding the directions for use, and it is preferred that these statements be surrounded by a block outline. Each of the three hazard warning statements must be headed by the appropriate hazard title. [40 CFR 156.10(h)(2)]

Item 8A. HAZARD TO HUMANS AND DOMESTIC ANIMALS - Where a hazard exists to humans or domestic animals, precautionary statements are required indicating the particular hazard, the route(s) of exposure and the precautions to be taken to avoid accident, injury or damage. [40 CFR 156.10(h)(2)(i)]

Item 8B. ENVIRONMENTAL HAZARD - Where a hazard exists to non-target organisms excluding humans and domestic animals, precautionary statements are required stating the nature of the hazard and the appropriate precautions to avoid potential accident, injury, or damage. [40 CFR 156.10(h)(2)(ii)]

Item 8C. PHYSICAL OR CHEMICAL HAZARD - FLAMMABILITY Precautionary statements relating to flammability of a product are required to appear on the label if it meets the criteria in the PHYS/CHEM Labeling Appendix. The requirement is based on the results of the flashpoint determinations and flame extension tests required to be submitted for all products. These statements are to be located in the side/back panel precautionary statements section, preceded by the heading "Physical/Chemical Hazards." Note that no signal word is used in conjunction with the flammability statements.

Item 9A. RESTRICTED USE CLASSIFICATION - FIFRA sec. 3(d) requires that all pesticide formulations/uses be classified for either general or restricted use. Products classified for restricted use may be limited to use by certified applicators or persons under their direct supervision (or may be subject to other restrictions that may be imposed by regulation). If your product has been classified for restricted use, then these requirements apply:

1. **All uses restricted.** The following statements must be placed in a black box at the top of the front panel of the label and labeling:

   a. The statement "Restricted Use Pesticide" must appear at the top of the front panel of the label. The statement must be set in type of the same minimum size as required for human hazard signal word [see table in 40 CFR 156.10(h)(1)(iv)]. No statements of any kind may appear above this RUP statement.

   b. The reason for the the restricted use classification must appear below the RUP statement. The RED will prescribe this statement.

   c. A summary statement of the terms of restriction must appear directly below this reason statement on the front panel. If use is restricted to certified applicators, the following statement is required: "For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's Certification." The RED will specify what statement must be used.

2. **Some but not all uses restricted.** If the RED states that some uses are classified for restricted use, and some are unclassified, several courses of action are available:

   a. You may label the product for Restricted use. If you do so, you may include on the label uses that are unrestricted, but you may not distinguish them on the label as being unrestricted.

   b. You may delete all restricted uses from your label and submit draft labeling bearing only unrestricted uses.

   c. You may "split" your registration, i.e., register two separate products with identical formulations, one bearing only unrestricted uses, and the other bearing restricted uses. To do so, submit two applications for reregistration, each containing all forms and necessary labels. Both applications should be submitted simultaneously. Note that the products will be assigned separate registration numbers.

Item 9B. MISUSE STATEMENT - All products must bear the misuse statement, "It is a violation of Federal law to use this product in a manner inconsistent with its labeling." This statement appears at the beginning of the directions for use, directly beneath the heading of that section.

Item 10A. REENTRY STATEMENT - If a restricted entry interval (REI) has been established by the Agency, it must be included on the label. Additional worker protection statements may be required on

accordance with PR Notice 83-2, March 29, 1983.

Item 10B. STORAGE AND DISPOSAL BLOCK - All labels are required to bear storage and disposal statements. These statements are developed for specific containers, sizes, and chemical content. These instructions must be grouped and appear under the heading "Storage and Disposal" in the directions for use. This heading must be set in the same type sizes as required for the child hazard warning. Refer to P.R. Notices 83-3 and 84-1 to determine the storage and disposal instructions appropriate for your products.

Item 10C. DIRECTIONS FOR USE - Directions for use must be stated in terms which can be easily read and understood by the average person likely to use or to supervise the use of the pesticide. When followed, directions must be adequate to protect the public from fraud and from personal injury and to prevent unreasonable adverse effects on the environment. [40 CFR 156.10(i)(2)]

COLLATERAL LABELING

Bulletins, leaflets, circulars, brochures, data sheets, flyers, or other written or graphic printed matter which is referred to on the label or which is to accompany the product are termed collateral labeling. Such labeling may not bear claims or representations that differ in substance from those accepted in connection with registration of the product. Collateral labeling must be made part of the response to the RED and submitted for review.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

ENVIRONMENTAL HAZARDS

PHYSICAL OR CHEMICAL HAZARDS

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling

RE-ENTRY STATEMENT
(If Applicable)

CROP:

CROP:

CROP:

PRODUCT NAME

ACTIVE INGREDIENT: _____ %

INERT INGREDIENTS: _____ %

TOTAL: 100.00 %

THIS PRODUCT CONTAINS LBS OF PER GALLON

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED

IF INHALED

IF ON SKIN

IF IN EYES

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MFG BY

TOWN, STATE

ESTABLISHMENT NO.

EPA REGISTRATION NO.

NET CONTENTS

CROP:

CROP:

CROP:

CROP:

STORAGE AND DISPOSAL

STORAGE

DISPOSAL

WARRANTY STATEMENT

LABEL FORMAT FOR UNCLASSIFIED PRODUCTS

LABEL FORMAT FOR PRODUCTS CLASSIFIED FOR RESTRICTED USE

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

ENVIRONMENTAL HAZARDS

PHYSICAL OR CHEMICAL HAZARDS

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RE-ENTRY STATEMENT
(If Applicable)

STORAGE AND DISPOSAL

STORAGE

DISPOSAL

CROP:

RESTRICTED USE PESTICIDE

Due to (insert reason*)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION

(*for example, "Due to high acute toxicity.")

PRODUCT NAME

ACTIVE INGREDIENT: _____ %

INERT INGREDIENTS: _____ %

TOTAL: 100.00 %

THIS PRODUCT CONTAINS LBS OF PER GALLON

KEEP OUT OF REACH OF CHILDREN

DANGER—POISON

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED

IF INHALED

IF ON SKIN

IF IN EYES

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

MFG BY

TOWN, STATE

ESTABLISHMENT NO.

EPA REGISTRATION NO.

NET CONTENTS

CROP:

CROP:

CROP:

CROP:

CROP:

WARRANTY STATEMENT

submitter has asserted a confidential business information claim concerning the material).

(5) A copy of each document, proposal, or other item of written material concerning the Registration Standard provided by the Agency to any person or party outside of government (within 15 working days after the item is made available to such person or party).

(6) A copy of the Registration Standard;

(7) With respect to a Registration Standard for which the Agency has determined that a substantially complete chronic health and teratology data base exists, a copy of the FEDERAL REGISTER notice concerning availability of a proposed Registration Standard, and a copy of each comment received in response to that notice (within 10 working days after receipt by the Agency, or 15 working days if the submitter has asserted a confidential business information claim concerning the material).

(8) A copy of the FEDERAL REGISTER notice announcing the issuance of the Registration Standard (within 10 working days after the publication of the notice).

(c) *Index of the docket.* The Agency will establish and keep current an index to the docket for each Registration Standard. The index will include, but is not limited to:

(1) A list of each meeting between the Agency and any person or party outside of government, containing the date and subject of the meeting, the names of participants and the name of the person requesting the meeting.

(2) A list of each document in the docket by title, source or recipient(s), and the date the document was received or provided by the Agency.

(d) *Availability of docket and indices.* (1) The Agency will make available to the public for inspection and copying the docket and index for any Registration Standard.

(2) The Agency will establish and maintain a mailing list of persons who have specifically requested that they receive indices for Registration Standard dockets. On a quarterly basis, EPA will distribute the indices of new materials placed in the public docket to these persons. Annually, E 'A will require that persons on the list renew their requests for inclusion on the list.

(3) The Agency will issue annually in the FEDERAL REGISTER (in conjunction with the annual schedule notice specified in § 155.25) a notice announcing the availability of docket indices.

(4) Each FEDERAL REGISTER notice of availability of a Registration Standard will announce the availability of the docket index for that Standard.

§ 155.34 Notice of availability.

(a) The Agency will issue in the FEDERAL REGISTER a notice announcing the issuance and availability of Registration Standard which:

(1) Concerns a previously unregistered active ingredient; or

(2) Concerns a previously registered active ingredient, and the Registration Standard states that registrants will be required (under FIFRA section 3(c)(2)(B)) to submit chronic health (including, but not limited to, chronic feeding, oncogenicity and reproduction) or teratology studies.

(b) Interested persons may submit comments concerning any Registration Standard described by paragraph (a) of this section at any time.

(c) The Agency will issue in the FEDERAL REGISTER a notice announcing the availability of, and providing opportunity for comment on, each proposed Registration Standard which concerns a previously registered active ingredient for which the Agency has determined that a substantially complete chronic health and teratology data base exists. Following the comment period and issuance of the Registration Standard, the Agency will issue in the FEDERAL REGISTER a notice of availability of the Registration Standard.

PART 156—LABELING REQUIREMENTS FOR PESTICIDES AND DEVICES

AUTHORITY: 7 U.S.C. 136-136y.

§ 156.10 Labeling requirements.

(a) *General*—(1) *Contents of the label.* Every pesticide products shall bear a label containing the information specified by the Act and the regu-

lations in this Part. The contents of a label must show clearly and prominently the following:

(i) The name, brand, or trademark under which the product is sold as prescribed in paragraph (b) of this section;

(ii) The name and address of the producer, registrant, or person for whom produced as prescribed in paragraph (c) of this section;

(iii) The net contents as prescribed in paragraph (d) of this section;

(iv) The product registration number as prescribed in paragraph (e) of this section;

(v) The producing establishment number as prescribed in paragraph (f) of this section;

(vi) An ingredient statement as prescribed in paragraph (g) of this section;

(vii) Warning or precautionary statements as prescribed in paragraph (h) of this section;

(viii) The directions for use as prescribed in paragraph (i) of this section; and

(ix) The use classification(s) as prescribed in paragraph (j) of this section.

(2) *Prominence and legibility.* (i) All words, statements, graphic representations, designs or other information required on the labeling by the Act or the regulations in this part must be clearly legible to a person with normal vision, and must be placed with such conspicuousness (as compared with other words, statements, designs, or graphic matter on the labeling) and expressed in such terms as to render it likely to be read and understood by the ordinary individual under customary conditions of purchase and use.

(ii) All required label text must:

(A) Be set in 6-point or larger type;

(B) Appear on a clear contrasting background; and

(C) Not be obscured or crowded.

(3) *Language to be used.* All required label or labeling text shall appear in the English language. However, the Agency may require or the applicant may propose additional text in other languages as is considered necessary to protect the public. When additional text in another language is necessary, all labeling requirements will be applied equally to both the English and other-language versions of the labeling.

(4) *Placement of Label*—(i) *General.* The label shall appear on or be securely attached to the immediate container of the pesticide product. For purposes of this Section, and the misbranding provisions of the Act, "securely attached" shall mean that a label can reasonably be expected to remain affixed during the foreseeable conditions and period of use. If the immediate container is enclosed within a wrapper or outside container through which the label cannot be clearly read, the label must also be securely attached to such outside wrapper or container, if it is a part of the package as customarily distributed or sold.

(ii) *Tank cars and other bulk containers*—(A) *Transportation.* While a pesticide product is in transit, the appropriate provisions of 49 CFR Parts 170-189, concerning the transportation of hazardous materials, and specifically those provisions concerning the labeling, marking and placarding of hazardous materials and the vehicles carrying them, define the basic Federal requirements. In addition, when any registered pesticide product is transported in a tank car, tank truck or other mobile or portable bulk container, a copy of the accepted label must be attached to the shipping papers, and left with the consignee at the time of delivery.

(B) *Storage.* When pesticide products are stored in bulk containers, whether mobile or stationary, which remain in the custody of the user, a copy of the label of labeling, including all appropriate directions for use, shall be securely attached to the container in the immediate vicinity of the discharge control valve.

(5) *False or misleading statements.* Pursuant to section 2(q)(1)(A) of the Act, a pesticide or a device declared subject to the Act pursuant to § 153.240, is misbranded if its labeling is false or misleading in any particular including both pesticidal and non-pesticidal claims. Examples of statements or representations in the labeling which constitute misbranding include

(i) A false or misleading statement concerning the composition of the product;

(ii) A false or misleading statement concerning the effectiveness of the product as a pesticide or device;

(iii) A false or misleading statement about the value of the product for purposes other than as a pesticide or device;

(iv) A false or misleading comparison with other pesticides or devices;

(v) Any statement directly or indirectly implying that the pesticide or device is recommended or endorsed by any agency of the Federal Government;

(vi) The name of a pesticide which contains two or more principal active ingredients if the name suggests one or more but not all such principal active ingredients even though the names of the other ingredients are stated elsewhere in the labeling;

(vii) A true statement used in such a way as to give a false or misleading impression to the purchaser;

(viii) Label disclaimers which negate or detract from labeling statements required under the Act and these regulations;

(ix) Claims as to the safety of the pesticide or its ingredients, including statements such as "safe," "nonpoisonous," "noninjurious," "harmless" or "nontoxic to humans and pets" with or without such a qualifying phrase as "when used as directed"; and

(x) Non-numerical and/or comparative statements on the safety of the product, including but not limited to:

(A) "Contains all natural ingredients";

(B) "Among the least toxic chemicals known"

(C) "Pollution approved"

(6) *Final printed labeling.* (i) Except as provided in paragraph (a)(6)(ii) of this section, final printed labeling must be submitted and accepted prior to registration. However, final printed labeling need not be submitted until draft label texts have been provisionally accepted by the Agency.

(ii) Clearly legible reproductions or photo reductions will be accepted for unusual labels such as those silk-screened directly onto glass or metal containers or large bag or drum labels. Such reproductions must be of microfilm reproduction quality.

(b) *Name, brand, or trade mark.* (1) The name, brand, or trademark under which the pesticide product is sold shall appear on the front panel of the label.

(2) No name, brand, or trademark may appear on the label which:

(i) Is false or misleading, or

(ii) Has not been approved by the Administrator through registration or supplemental registration as an additional name pursuant to § 152.132.

(c) Name and address of producer, registrant, or person for whom produced. An unqualified name and address given on the label shall be considered as the name and address of the producer. If the registrant's name appears on the label and the registrant is not the producer, or if the name of the person for whom the pesticide was produced appears on the label, it must be qualified by appropriate wording such as "Packed for * * *," "Distributed by * * *," or "Sold by * * *" to show that the name is not that of the producer.

(d) *Net weight or measure of contents.* (1) The net weight or measure of content shall be exclusive of wrappers or other materials and shall be the average content unless explicitly stated as a minimum quantity.

(2) If the pesticide is a liquid, the net content statement shall be in terms of liquid measure at 68° F (20°C) and shall be expressed in conventional American units of fluid ounces, pints, quarts, and gallons.

(3) If the pesticide is solid or semi-solid, viscous or pressurized, or is a mixture of liquid and solid, the net content statement shall be in terms of weight expressed as avoirdupois pounds and ounces.

(4) In all cases, net content shall be stated in terms of the largest suitable units, i.e., "1 pound 10 ounces" rather than "26 ounces."

(5) In addition to the required units specified, net content may be expressed in metric units.

(6) Variation above minimum content or around an average is permissible only to the extent that it represents deviation unavoidable in good manufacturing practice. Variation below a stated minimum is not permitted. In no case shall the average con-

tent of the packages in a shipment fall below the stated average content.

(e) *Product registration number.* The registration number assigned to the pesticide product at the time of registration shall appear on the label, preceded by the phrase "EPA Registration No.," or the phrase "EPA Reg. No." The registration number shall be set in type of a size and style similar to other print on that part of the label on which it appears and shall run parallel to it. The registration number and the required identifying phrase shall not appear in such a manner as to suggest or imply recommendation or endorsement of the product by the Agency.

(f) *Producing establishments registration number.* The producing establishment registration number preceded by the phrase "EPA Est.", of the final establishment at which the product was produced may appear in any suitable location on the label or immediate container. It must appear on the wrapper or outside container of the package if the EPA establishment registration number on the immediate container cannot be clearly read through such wrapper or container.

(g) *Ingredient statement*—(1) *General.* The label of each pesticide product must bear a statement which contains the name and percentage by weight of each active ingredient, the total percentage by weight of all inert ingredients; and if the pesticide contains arsenic in any form, a statement of the percentages of total and water-soluble arsenic calculated as elemental arsenic. The active ingredients must be designated by the term "active ingredients" and the inert ingredients by the term "inert ingredients," or the singular forms of these terms when appropriate. Both terms shall be in the same type size, be aligned to the same margin and be equally prominent. The statement "Inert Ingredients, none" is not required for pesticides which contain 100 percent active ingredients. Unless the ingredient statement is a complete analysis of the pesticide, the term "analysis" shall not be used as a heading for the ingredient statement.

(2) *Position of ingredient statement.* (i) The ingredient statement is normally required on the front panel of the label. If there is an outside container or wrapper through which the ingredient statement cannot be clearly read, the ingredient statement must also appear on such outside container or wrapper. If the size or form of the package makes it impracticable to place the ingredient statement on the front panel of the label, permission may be granted for the ingredient statement to appear elsewhere.

(ii) The text of the ingredient statement must run parallel with other text on the panel on which it appears, and must be clearly distinguishable from and must not be placed in the body of other text.

(3) *Names to be used in ingredient statement.* The name used for each ingredient shall be the accepted common name, if there is one, followed by the chemical name. The common name may be used alone only if it is well known. If no common name has been established, the chemical name alone shall be used. In no case will the use of a trademark or proprietary name be permitted unless such name has been accepted as a common name by the Administrator under the authority of section 25(c)(6).

(4) *Statements of percentages.* The percentages of ingredients shall be stated in terms of weight-to-weight. The sum of percentages of the active and the inert ingredients shall be 100. Percentages shall not be expressed by a range of values such as "22-25%." If the uses of the pesticide product are expressed as weight of active ingredient per unit area, a statement of the weight of active ingredient per unit volume of the pesticide formulation shall also appear in the ingredient statement.

(5) *Accuracy of stated percentages.* The percentages given shall be as precise as possible reflecting good manufacturing practice. If there may be unavoidable variation between manufacturing batches, the value stated for each active ingredient shall be the lowest percentage which may be present.

(6) *Deterioration.* Pesticides which change in chemical composition significantly must meet the following labeling requirements:

(i) In cases where it is determined that a pesticide formulation changes chemical composition significantly, the product must bear the following statement in a prominent position on the label: "Not for sale or use after [date]."

(ii) The product must meet all label claims up to the expiration time indicated on the label.

(7) *Inert ingredients.* The Administrator may require the name of any inert ingredient(s) to be listed in the ingredient statement if he determines that such ingredient(s) may pose a hazard to man or the environment.

(h) *Warnings and precautionary statements.* Required warnings and precautionary statements concerning the general areas of toxicological hazard including hazard to children, environmental hazard, and physical or chemical hazard fall into two groups; those required on the front panel of the labeling and those which may appear elsewhere. Specific requirements concerning content, placement, type size, and prominence are given below.

(1) *Required front panel statements.* With the exception of the child hazard warning statement, the text required on the front panel of the label is determined by the Toxicity Category of the pesticide. The category is assigned on the basis of the highest hazard shown by any of the indicators in the table below:

Hazard indicators	Toxicity categories			
	I	II	III	IV
Oral LD_{50}	Up to and including 50 mg/kg.	From 50 thru 500 mg/kg.	From 500 thru 5000 mg/kg.	Greater than 5000 mg/kg.
Inhalation LC_{50}	Up to and including .2 mg/liter.	From .2 thru 2 mg/liter	From 2. thru 20 mg/liter	Greater than 20 mg/liter.
Dermal LD_{50}	Up to and including 200 mg/kg.	From 200 thru 2000	From 2,000 thru 20,000	Greater than 20,000.
Eye effects	Corrosive; corneal opacity not reversible within 7 days.	Corneal opacity reversible within 7 days; irritation persisting for 7 days.	No corneal opacity; irritation reversible within 7 days.	No irritation.
Skin effects	Corrosive	Severe irritation at 72 hours.	Moderate irritation at 72 hours.	Mild or slight irritation at 72 hours.

(i) *Human hazard signal word*—(A) *Toxicity Category I.* All pesticide products meeting the criteria of Toxicity Category I shall bear on the front panel the signal word "Danger." In addition if the product was assigned to Toxicity Category I on the basis of its oral, inhalation or dermal toxicity (as distinct from skin and eye local effects) the word "Poison" shall appear in red on a background of distinctly contrasting color and the skull and crossbones shall appear in immediate proximity to the word "poison."

(B) *Toxicity Category II.* All pesticide products meeting the criteria of Toxicity Category II shall bear on the front panel the signal word "Warning."

(C) *Toxicity Category III.* All pesticide products meeting the criteria of Toxicity Category III shall bear on the front panel the signal word "Caution."

(D) *Toxicity Category IV.* All pesticide products meeting the criteria of Toxicity Category IV shall bear on the front panel the signal word "Caution."

(E) *Use of signal words.* Use of any signal word(s) associated with a higher Toxicity Category is not permitted except when the Agency determines that such labeling is necessary to prevent unreasonable adverse effects on man or the environment. In no case shall more than one human hazard signal word appear on the front panel of a label.

(ii) *Child hazard warning.* Every pesticide product label shall bear on the front panel the statement "keep out of reach of children." Only in cases where the likelihood of contact with children during distribution, marketing, storage or use is demonstrated by the applicant to be extremely remote, or if the nature of the pesticide is such

that it is approved for use on infants or small children, may the Administrator waive this requirement.

(iii) *Statement of practical treatment*—(A) *Toxicity Category I.* A statement of practical treatment (first aid or other) shall appear on the front panel of the label of all pesticides falling into Toxicity Category I on the basis of oral, inhalation or dermal toxicity. The Agency may, however, permit reasonable variations in the placement of the statement of practical treatment is some reference such as "See statement of practical treatment on back panel" appears on the front panel near the word "Poison" and the skull and crossbones.

(B) *Other toxicity categories.* The statement of practical treatment is not required on the front panel except as described in paragraph (h)(1)(iii)(A) of this section. The applicant may, however, include such a front panel statement at his option. Statements of practical treatment are, however, required elsewhere on the label in accord with paragraph (h)(2) of this section if they do not appear on the front panel.

(iv) *Placement and prominence.* All the require front panel warning statements shall be grouped together on the label, and shall appear with sufficient prominence relative to other front panel text and graphic material to make them unlikely to be overlooked under customary conditions of purchase and use. The following table shows the minimum type size requirements for the front panel warning statements on various sizes of labels:

Size of label front panel in square inches	Points	
	Required signal word, all capitals	"Keep out of reach of children"
5 and under	6	6
Above 5 to 10	10	6
Above 10 to 15	12	8
Above 15 to 30	14	10
Over 30	18	12

(2) *Other required warnings and precautionary statements.* The warnings and precautionary statements as required below shall appear together on the label under the general heading "Precautionary Statements" and under appropriate subheadings of "Hazard to Humans and Domestic Animals," "Environmental Hazard" and "Physical or Chemical Hazard."

(i) *Hazard to humans and domestic animals.* (A) Where a hazard exists to humans or domestic animals, precautionary statements are required indicating the particular hazard, the route(s) of exposure and the precautions to be taken to avoid accident, injury or damage. The precautionary paragraph shall be immediately preceded by the appropriate hazard signal word.

(B) The following table depicts typical precautionary statements. These statements must be modified or expanded to reflect specific hazards.

Toxicity category	Precautionary statements by toxicity category	
	Oral, inhalation, or dermal toxicity	Skin and eye local effects
I	Fatal (poisonous) if swallowed [inhaled or absorbed through skin]. Do not breathe vapor [dust or spray mist]. Do not get in eyes, on skin, or on clothing [Front panel statement of practical treatment required.].	Corrosive, causes eye and skin damage [or skin irritation]. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. [Appropriate first aid statement required.]
II	May be fatal if swallowed [inhaled or absorbed through the skin]. Do not breathe vapors [dust or spray mist]. Do not get in eyes, on skin, or on clothing. [Appropriate first aid statements required.].	Causes eye [and skin] irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. [Appropriate first aid statement required.]
III	Harmful if swallowed [inhaled or absorbed through the skin]. Avoid breathing vapors [dust or spray mist]. Avoid contact with skin [eyes or clothing]. [Appropriate first aid statement required.].	Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.
IV	[No precautionary statements required.]	[No precautionary statements required.]

(ii) *Environmental hazards.* Where a hazard exists to non target organisms excluding humans and domestic animals, precautionary statements are required stating the nature of the hazard and the appropriate precautions to avoid potential accident, injury or damage. Examples of the hazard statements and the circumstances under which they are required follow:

(A) If a pesticide intended for outdoor use contains an active ingredient with a mammalian acute oral LD_{50} of 100 or less, the statement "This Pesticide is Toxic to Wildlife" is required.

(B) If a pesticide intended for outdoor use contains an active ingredient with a fish acute LC_{50} of 1 ppm or less, the statement "This Pesticide is Toxic to Fish" is required.

(C) If a pesticide intended for outdoor use contains an active ingredient with an avian acute oral LD_{50} of 100 mg/kg or less, or a subacute dietary LC_{50} of 500 ppm or less, the statement "This Pesticide is Toxic to Wildlife" is required.

(D) If either accident history or field studies demonstrate that use of the pesticide may result in fatality to birds, fish or mammals, the statement "This pesticide is extremely toxic to wildlife (fish)" is required.

(E) For uses involving foliar application to agricultural crops, forests, or shade trees, or for mosquito abatement treatments, pesticides toxic to pollinating insects must bear appropriate label cautions.

(F) For all outdoor uses other than aquatic applications the label must bear the caution "Keep out of lakes, ponds or streams. Do not contaminate water by cleaning of equipment or disposal of wastes."

(iii) *Physical or chemical hazards.* Warning statements on the flammability or explosive characteristics of the pesticide are required as follows:

Flash point	Required text
(A) PRESSURIZED CONTAINERS	
Flash point at or below 20° F; if there is a flashback at any valve opening.	Extremely flammable. Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.
Flash point above 20° F and not over 80° F or if the flame extension is more than 18 in long at a distance of 6 in from the flame.	Flammable. Contents under pressure. Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.
All other pressurized containers	Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130° F may cause bursting.
(B) NONPRESSURIZED CONTAINERS	
At or below 20° F	Extremely flammable. Keep away from fire, sparks, and heated surfaces.
Above 20° F and not over 80° F	Flammable. Keep away from heat and open flame.
Above 80° F and not over 150° F	Do not use or store near heat or open flame.

(i) *Directions for Use*—(1) *General requirements*—(i) *Adequacy and clarity of directions.* Directions for use must be stated in terms which can be easily read and understood by the average person likely to use or to supervise the use of the pesticide. When followed, directions must be adequate to protect the public from fraud and from personal injury and to prevent unreasonable adverse effects on the environment.

(ii) *Placement of directions for use.* Directions may appear on any portion of the label provided that they are conspicuous enough to be easily read by the user of the pesticide product. Directions for use may appear on printed or graphic matter which accompanies the pesticide provided that:

(A) If required by the Agency, such printed or graphic matter is securely attached to each package of the pesticide, or placed within the outside wrapper or bag;

(B) The label bears a reference to the directions for use in accompanying leaflets or circulars, such as "See directions in the enclosed circular:" and

(C) The Administrator determines that it is not necessary for such directions to appear on the label.

(iii) *Exceptions to requirement for direction for use*—(A) Detailed directions for use may be omitted from labeling of pesticides which are intended for use only by manufacturers of products other than pesticide products in their regular manufacturing processes, provided that:

(*1*) The label clearly shows that the product is intended for use only in manufacturing processes and specifies the type(s) of products involved.

(*2*) Adequate information such as technical data sheets or bulletins, is available to the trade specifying the type of product involved and its proper use in manufacturing processes;

(*3*) The product will not come into the hands of the general public except after incorporation into finished products; and

(*4*) The Administrator determines that such directions are not necessary to prevent unreasonable adverse effects on man or the environment.

(B) Detailed directions for use may be omitted from the labeling of pesticide products for which sale is limited to physicians, veterinarians, or druggists, provided that:

(*1*) The label clearly states that the product is for use only by physicians or veterinarians;

(*2*) The Administrator determines that such directions are not necessary to prevent unreasonable adverse effects on man or the environment; and

(*3*) The product is also a drug and regulated under the provisions of the Federal Food, Drug and Cosmetic Act.

(C) Detailed directions for use may be omitted from the labeling of pesticide products which are intended for use only by formulators in preparing pesticides for sale to the public, provided that:

(*1*) There is information readily available to the formulators on the composition, toxicity, methods of use, applicable restrictions or limitations, and effectiveness of the product for pesticide purposes;

(*2*) The label clearly states that the product is intended for use only in manufacturing, formulating, mixing, or repacking for use as a pesticide and specifies the type(s) of pesticide products involved;

(*3*) The product as finally manufactured, formulated, mixed, or repackaged is registered; and

(*4*) The Administrator determines that such directions are not necessary to prevent unreasonable adverse effects on man or the environment.

(2) *Contents of Directions for Use.* The directions for use shall include the following, under the headings "Directions for Use":

(i) The statement of use classification as prescribed in paragraph (j) of this section immediately under the heading "Directions for Use."

(ii) Immediately below the statement of use classification, the statement "It is a violation of Federal law to use this product in a manner inconsistent with its labeling."

(iii) The site(s) of application, as for example the crops, animals, areas, or objects to be treated.

(iv) The target pest(s) associated with each site.

(v) The dosage rate associated with each site and pest.

(vi) The method of application, including instructions for dilution, if required, and type(s) of application apparatus or equipment required.

(vii) The frequency and timing of applications necessary to obtain effective results without causing unreasonable adverse effects on the environment.

(viii) Specific limitations on reentry to areas where the pesticide has been applied, meeting the requirements concerning reentry provided by 40 CFR Part 170.

(ix) Specific directions concerning the storage and disposal of the pesticide and its container, meeting the requirements of 40 CFR Part 165. These instructions shall be grouped and appear under the heading "Storage and Disposal." This heading must be set in type of the same minimum sizes as required for the child hazard warning. (See Table in § 162.10(h)(1)(iv))

(x) Any limitations or restrictions on use required to prevent unreasonable adverse effects, such as:

(A) Required intervals between application and harvest of food or feed crops.

(B) Rotational crop restrictions.

(C) Warnings as required against use on certain crops, animals, objects, or in or adjacent to certain areas.

(D) [Reserved]

(E) For restricted use pesticides, a statement that the pesticide may be applied under the direct supervision of a certified applicator who is not physically present at the site of application but nonetheless available to the person applying the pesticide, unless the Agency has determined that the pesticide may only be applied under the direct supervision of a certified applicator who is physically present.

(F) Other pertinent information which the Administrator determines to be necessary for the protection of man and the environment.

(j) *Statement of Use Classification.* By October 22, 1976, all pesticide products must bear on their labels a statement of use classification as described in paragraphs (j) (1) and (2) of this section. Any pesticide product for which some uses are classified for general use and others for restricted use shall be separately labeled according to the labeling standards set forth in this subsection, and shall be marketed as separate products with different registration numbers, one bearing directions only for general use(s) and the other bearing directions for restricted use(s) except that, if a product has both restricted use(s) and general use(s), both of these uses may appear on a product labeled for restricted use. Such products shall be subject to the provisions of paragraph (j)(2) of this section.

(1) *General Use Classification.* Pesticide products bearing directions for use(s) classified general shall be labeled with the exact words "General Classification" immediately below the heading "Directions for Use." And reference to the general classification that suggests or implies that the general utility of the pesticide extends beyond those purposes and uses contained in the Directions for Use will be considered a false or misleading statement under the statutory definitions of misbranding.

(2) *Restricted Use Classification.* Pesticide products bearing direction for use(s) classified restricted shall bear statements of restricted use classification on the front panel as described below:

(i) *Front panel statement of restricted use classification.* (A) At the top of the front panel of the label, set in type of the same minimum sizes as required for human hazard signal words (see table in paragraph (h)(1)(iv) of this section), and appearing with sufficient prominence relative to other text and graphic material on the front panel to make it unlikely to be overlooked under customary conditions of purchase and use, the statement "Restricted Use Pesticide" shall appear.

(B) Directly below this statement on the front panel, a summary statement of the terms of restriction imposed as a precondition to registration shall appear. If use is restricted to certified applicators, the following statement is required: "For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification." If, however, other regulatory restrictions are imposed, the Administrator will define the appropriate wording for the terms of restriction by regulation.

[40 FR 28268, July 3, 1975; 40 FR 32329, Aug. 1, 1975; 40 FR 36571, Aug. 21, 1975, as amended at 43 FR 5786, Feb. 9, 1978. Redesignated and amended at 53 FR 15991, 15999, May 4, 1988]

APPENDIX F

Generic Data Call-In

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 7 1993

DATA CALL-IN NOTICE

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

CERTIFIED MAIL

Dear Sir or Madam:

This Notice requires you and other registrants of pesticide products containing the active ingredient identified in Attachment A of this Notice, the Data Call-In Chemical Status Sheet, to submit certain data as noted herein to the U.S. Environmental Protection Agency (EPA, the Agency). These data are necessary to maintain the continued registration of your product(s) containing this active ingredient. Within 90 days after you receive this Notice you must respond as set forth in Section III below. Your response must state:

1. how you will comply with the requirements set forth in this Notice and its Attachments A through F; or

2. why you believe you are exempt from the requirements listed in this Notice and in Attachment C, Requirements Status and Registrant's Response Form, (see section III-B); or

3. why you believe EPA should not require your submission of data in the manner specified by this Notice (see section III-D).

If you do not respond to this Notice, or if you do not satisfy EPA that you will comply with its requirements or should be exempt or excused from doing so, then the registration of your product(s) subject to this Notice will be subject to suspension. We have provided a list of all of your products subject to this Notice in Attachment B, Data Call-In Response Form, as well as a list of all registrants who were sent this Notice (Attachment D).

The authority for this Notice is section 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act as amended (FIFRA), 7 U.S.C. section 136a(c)(2)(B). Collection of this information is authorized under the Paperwork Reduction Act by OMB Approval No. 2070-0107 (expiration date 12-31-92).

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This Notice is divided into six sections and six Attachments. The Notice itself contains information and instructions applicable to all Data Call-In Notices. The Attachments contain specific chemical information and instructions. The six sections of the Notice are:

Section I - Why You Are Receiving This Notice
Section II - Data Required By This Notice
Section III - Compliance With Requirements Of This Notice
Section IV - Consequences Of Failure To Comply With This Notice
Section V - Registrants' Obligation To Report Possible Unreasonable Adverse Effects
Section VI - Inquiries And Responses To This Notice

The Attachments to this Notice are:

Attachment A - Data Call-In Chemical Status Sheet
Attachment B - Data Call-In Response Form
Attachment C - Requirements Status And Registrant's Response Form
Attachment D - List Of All Registrants Sent This Data Call-In Notice
Attachment E - EPA Acceptance Criteria
Attachment F - Cost Share and Data Compensation Forms

SECTION I. WHY YOU ARE RECEIVING THIS NOTICE

The Agency has reviewed existing data for this active ingredient and reevaluated the data needed to support continued registration of the subject active ingredient. This reevaluation identified additional data necessary to assess the health and safety of the continued use of products containing this active ingredient. You have been sent this Notice because you have product(s) containing the subject active ingredient.

SECTION II. DATA REQUIRED BY THIS NOTICE

II-A. DATA REQUIRED

The data required by this Notice are specified in Attachment C, Requirements Status and Registrant's Response Form. Depending on the results of the studies required in this Notice, additional testing may be required.

II-B. SCHEDULE FOR SUBMISSION OF DATA

You are required to submit the data or otherwise satisfy the data requirements specified in Attachment C, Requirements Status and Registrant's Response Form, within the timeframes provided.

II-C. TESTING PROTOCOL

All studies required under this Notice must be conducted in accordance with test standards outlined in the Pesticide Assessment Guidelines for those studies for which guidelines have been established.

These EPA Guidelines are available from the National Technical Information Service (NTIS), Attn: Order Desk, 5285 Port Royal Road, Springfield, Va 22161 (tel: 703-487-4650).

Protocols approved by the Organization for Economic Cooperation and Development (OECD) are also acceptable if the OECD-recommended test standards conform to those specified in the Pesticide Data Requirements regulation (40 CFR § 158.70). When using the OECD protocols, they should be modified as appropriate so that the data generated by the study will satisfy the requirements of 40 CFR § 158. Normally, the Agency will not extend deadlines for complying with data requirements when the studies were not conducted in accordance with acceptable standards. The OECD protocols are available from OECD, 1750 Pennsylvania Avenue N.W., Washington, D.C. 20006.

All new studies and proposed protocols submitted in response to this Data Call-In Notice must be in accordance with Good Laboratory Practices [40 CFR Part 160.3(a)(6)].

II-D. REGISTRANTS RECEIVING PREVIOUS SECTION 3(c)(2)(B) NOTICES ISSUED BY THE AGENCY

Unless otherwise noted herein, this Data Call-In does not in any way supersede or change the requirements of any previous Data Call-In(s), or any other agreements entered into with the Agency pertaining to such prior Notice. Registrants must comply with the requirements of all Notices to avoid issuance of a Notice of Intent to Suspend their affected products.

SECTION III. COMPLIANCE WITH REQUIREMENTS OF THIS NOTICE

III-A. SCHEDULE FOR RESPONDING TO THE AGENCY

The appropriate responses initially required by this Notice must be submitted to the Agency within 90 days after your receipt of this Notice. Failure to adequately respond to this Notice within 90 days of your receipt will be a basis for issuing a Notice of Intent to Suspend (NOIS) affecting your products. This and other bases for issuance of NOIS due to failure to comply with this Notice are presented in Section IV-A and IV-B.

III-B. OPTIONS FOR RESPONDING TO THE AGENCY

The options for responding to this Notice are: 1) voluntary cancellation, 2) delete use(s), (3) claim generic data exemption, (4) agree to satisfy the data requirements imposed by this Notice or (5) request a data waiver(s).

A discussion of how to respond if you chose the Voluntary Cancellation option, the Delete Use(s) option or the Generic Data Exemption option is presented below. A discussion of the various options available for satisfying the data requirements of this Notice is contained in Section III-C. A discussion of options relating to requests for data waivers is contained in Section III-D.

There are two forms that accompany this Notice of which, depending upon your response, one or both must be used in your response to the Agency. These forms are the Data-Call-In Response Form, Attachment B and the Requirements Status and Registrant's Response Form, Attachment C. The Data Call-In Response Form must be submitted as part of every response to this Notice. Please note that the company's authorized representative is required to sign the first page of the Data Call-In Response Form and Requirements Status and Registrant's Response Form (if this form is required) and initial any subsequent pages. The forms contain separate detailed instructions on the response options. Do not alter the printed material. If you have questions or need assistance in preparing your response, call or write the contact person identified in Attachment A.

1. Voluntary Cancellation - You may avoid the requirements of this Notice by requesting voluntary cancellation of your product(s) containing the active ingredient that is the subject of this Notice. If you wish to voluntarily cancel your product, you must submit a completed Data Call-In Response Form, indicating your election of this option. Voluntary cancellation is item number 5 on the Data Call-In Response Form. If you choose this option, this is the only form that you are required to complete.

If you chose to voluntarily cancel your product, further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provisions of this Notice which are contained in Section IV-C.

2. Use Deletion - You may avoid the requirements of this Notice by eliminating the uses of your product to which the requirements apply. If you wish to amend your registration to delete uses, you must submit the Requirements Status and Registrant's Response Form, a completed application for amendment, a copy of your proposed amended labeling, and all other information required for processing the application. Use deletion is option number 7 on the Requirements Status and Registrant's

Response Form. You must also complete a Data Call-In Response Form by signing the certification, item number 8. Application forms for amending registrations may be obtained from the Registration Support and Emergency Response Branch, Registration Division, (703) 557-2126.

If you choose to delete the use(s) subject to this Notice or uses subject to specific data requirements, further sale, distribution, or use of your product after one year from the due date of your 90 day response, must bear an amended label.

3. Generic Data Exemption - Under section 3(c)(2)(D) of FIFRA, an applicant for registration of a product is exempt from the requirement to submit or cite generic data concerning an active ingredient if the active ingredient in the product is derived exclusively from purchased, registered pesticide products containing the active ingredient. EPA has concluded, as an exercise of its discretion, that it normally will not suspend the registration of a product which would qualify and continue to qualify for the generic data exemption in section 3(c)(2)(D) of FIFRA. To qualify, all of the following requirements must be met:

a. The active ingredient in your registered product must be present solely because of incorporation of another registered product which contains the subject active ingredient and is purchased from a source not connected with you;

b. Every registrant who is the ultimate source of the active ingredient in your product subject to this DCI must be in compliance with the requirements of this Notice and must remain in compliance; and

c. You must have provided to EPA an accurate and current "Confidential Statement of Formula" for each of your products to which this Notice applies.

To apply for the Generic Data Exemption you must submit a completed Data Call-In Response Form, Attachment B and all supporting documentation. The Generic Data Exemption is item number 6a on the Data Call-In Response Form. If you claim a generic data exemption you are not required to complete the Requirements Status and Registrant's Response Form. Generic Data Exemption cannot be selected as an option for product specific data.

If you are granted a Generic Data Exemption, you rely on the efforts of other persons to provide the Agency with the required data. If the registrant(s) who have committed to generate and submit the required data fail to take appropriate steps to meet the requirements or are no longer in compliance with this Data Call-In Notice, the Agency will consider that both they and you are not in

compliance and will normally initiate proceedings to suspend the registrations of both your and their product(s), unless you commit to submit and do submit the required data within the specified time. In such cases the Agency generally will not grant a time extension for submitting the data.

4. Satisfying the Data Requirements of this Notice There are various options available to satisfy the data requirements of this Notice. These options are discussed in Section III-C of this Notice and comprise options 1 through 6 on the Requirements Status and Registrant's Response Form and option 6b and 7 on the Data Call-In Response Form. If you choose option 6b or 7, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

5. Request for Data Waivers. Data waivers are discussed in Section III-D of this Notice and are covered by options 8 and 9 on the Requirements Status and Registrant's Response Form. If you choose one of these options, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

III-C SATISFYING THE DATA REQUIREMENTS OF THIS NOTICE

If you acknowledge on the Data Call-In Response Form that you agree to satisfy the data requirements (i.e. you select option 6b and/or 7), then you must select one of the six options on the Requirements Status and Registrant's Response Form related to data production for each data requirement. Your option selection should be entered under item number 9, "Registrant Response." The six options related to data production are the first six options discussed under item 9 in the instructions for completing the Requirements Status and Registrant's Response Form. These six options are listed immediately below with information in parentheses to guide registrants to additional instructions provided in this Section. The options are:

(1) I will generate and submit data within the specified timeframe (Developing Data)
(2) I have entered into an agreement with one or more registrants to develop data jointly (Cost Sharing)
(3) I have made offers to cost-share (Offers to Cost Share)
(4) I am submitting an existing study that has not been submitted previously to the Agency by anyone (Submitting an Existing Study)
(5) I am submitting or citing data to upgrade a study classified by EPA as partially acceptable and upgradeable (Upgrading a Study)
(6) I am citing an existing study that EPA has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (Citing an Existing Study)

Option 1. Developing Data -- If you choose to develop the required data it must be in conformance with Agency deadlines and with other Agency requirements as referenced herein and in the attachments. All data generated and submitted must comply with the Good Laboratory Practice (GLP) rule (40 CFR Part 160), be conducted according to the Pesticide Assessment Guidelines (PAG), and be in conformance with the requirements of PR Notice 86-5. In addition, certain studies require Agency approval of test protocols in advance of study initiation. Those studies for which a protocol must be submitted have been identified in the Requirements Status and Registrant's Response Form and/or footnotes to the form. If you wish to use a protocol which differs from the options discussed in Section II-C of this Notice, you must submit a detailed description of the proposed protocol and your reason for wishing to use it. The Agency may choose to reject a protocol not specified in Section II-C. If the Agency rejects your protocol you will be notified in writing, however, you should be aware that rejection of a proposed protocol will not be a basis for extending the deadline for submission of data.

A progress report must be submitted for each study within 90 days from the date you are required to commit to generate or undertake some other means to address that study requirement, such as making an offer to cost share or agreeing to share in the cost of developing that study. A 90-day progress report must be submitted for all studies. This 90-day progress report must include the date the study was or will be initiated and, for studies to be started within 12 months of commitment. the name and address of the laboratory(ies) or individuals who are or will be conducting the study.

In addition, if the time frame for submission of a final report is more than 1 year, interim reports must be submitted at 12 month intervals from the date you are required to commit to generate or otherwise address the requirement for the study. In addition to the other information specified in the preceding paragraph, at a minimum, a brief description of current activity on and the status of the study must be included as well as a full description of any problems encountered since the last progress report.

The time frames in the Requirements Status and Registrant's Response Form are the time frames that the Agency is allowing for the submission of completed study reports or protocols. The noted deadlines run from the date of the receipt of this Notice by the registrant. If the data are not submitted by the deadline, each registrant is subject to receipt of a Notice of Intent to Suspend the affected registration(s).

If you cannot submit the data/reports to the Agency in the time required by this Notice and intend to seek additional time to meet the requirements(s), you must submit a request to the Agency

which includes: (1) a detailed description of the expected difficulty and (2) a proposed schedule including alternative dates for meeting such requirements on a step-by-step basis. You must explain any technical or laboratory difficulties and provide documentation from the laboratory performing the testing. While EPA is considering your request, the original deadline remains. The Agency will respond to your request in writing. If EPA does not grant your request, the original deadline remains. Normally, extensions can be requested only in cases of extraordinary testing problems beyond the expectation or control of the registrant. Extensions will not be given in submitting the 90-day responses. Extensions will not be considered if the request for extension is not made in a timely fashion; in no event shall an extension request be considered if it is submitted at or after the lapse of the subject deadline.

Option 2. Agreement to Share in Cost to Develop Data -- If you choose to enter into an agreement to share in the cost of producing the required data but will not be submitting the data yourself, you must provide the name of the registrant who will be submitting the data. You must also provide EPA with documentary evidence that an agreement has been formed. Such evidence may be your letter offering to join in an agreement and the other registrant's acceptance of your offer, or a written statement by the parties that an agreement exists. The agreement to produce the data need not specify all of the terms of the final arrangement between the parties or the mechanism to resolve the terms. Section 3(c)(2)(B) provides that if the parties cannot resolve the terms of the agreement they may resolve their differences through binding arbitration.

Option 3. Offer to Share in the Cost of Data Development -- If you have made an offer to pay in an attempt to enter into an agreement or amend an existing agreement to meet the requirements of this Notice and have been unsuccessful, you may request EPA (by selecting this option) to exercise its discretion not to suspend your registration(s), although you do not comply with the data submission requirements of this Notice. EPA has determined that as a general policy, absent other relevant considerations, it will not suspend the registration of a product of a registrant who has in good faith sought and continues to seek to enter into a joint data development/cost sharing program, but the other registrant(s) developing the data has refused to accept your offer. To qualify for this option, you must submit documentation to the Agency proving that you have made an offer to another registrant (who has an obligation to submit data) to share in the burden of developing that data. You must also submit to the Agency a completed EPA Form 8570-32, Certification of Offer to Cost Share in the Development of Data, Attachment E. In addition, you must demonstrate that the other registrant to whom the offer was made has not accepted your offer to enter into a costsharing agreement by including a copy of your offer and proof of the other registrant's receipt of that

offer (such as a certified mail receipt). Your offer must, in addition to anything else, offer to share in the burden of producing the data upon terms to be agreed or failing agreement to be bound by binding arbitration as provided by FIFRA section 3(c)(2)(B)(iii) and must not qualify this offer. The other registrant must also inform EPA of its election of an option to develop and submit the data required by this Notice by submitting a Data Call-In Response Form and a Requirements Status and Registrant's Response Form committing to develop and submit the data required by this Notice.

In order for you to avoid suspension under this option, you may not withdraw your offer to share in the burdens of developing the data. In addition, the other registrant must fulfill its commitment to develop and submit the data as required by this Notice. If the other registrant fails to develop the data or for some other reason is subject to suspension, your registration as well as that of the other registrant will normally be subject to initiation of suspension proceedings, unless you commit to submit, and do submit the required data in the specified time frame. In such cases, the Agency generally will not grant a time extension for submitting the data.

Option 4. Submitting an Existing Study -- If you choose to submit an existing study in response to this Notice, you must determine that the study satisfies the requirements imposed by this Notice. You may only submit a study that has not been previously submitted to the Agency or previously cited by anyone. Existing studies are studies which predate issuance of this Notice. Do not use this option if you are submitting data to upgrade a study. (See Option 5).

You should be aware that if the Agency determines that the study is not acceptable, the Agency will require you to comply with this Notice, normally without an extension of the required date of submission. The Agency may determine at any time that a study is not valid and needs to be repeated.

To meet the requirements of the DCI Notice for submitting an existing study, all of the following three criteria must be clearly met:

a. You must certify at the time that the existing study is submitted that the raw data and specimens from the study are available for audit and review and you must identify where they are available. This must be done in accordance with the requirements of the Good Laboratory Practice (GLP) regulation, 40 CFR Part 160. As stated in 40 CFR 160.3(j) " '[r]aw data' means any laboratory worksheets, records, memoranda, notes, or exact copies thereof, that are the result of original observations and activities of a study and are necessary for the reconstruction and evaluation of the report

of that study. In the event that exact transcripts of raw data have been prepared (e.g., tapes which have been transcribed verbatim, dated, and verified accurate by signature), the exact copy or exact transcript may be substituted for the original source as raw data. 'Raw data' may include photographs, microfilm or microfiche copies, computer printouts, magnetic media, including dictated observations, and recorded data from automated instruments." The term "specimens", according to 40 CFR 160.3(k), means "any material derived from a test system for examination or analysis."

b. Health and safety studies completed after May 1984 must also contain all GLP-required quality assurance and quality control information, pursuant to the requirements of 40 CFR Part 160. Registrants must also certify at the time of submitting the existing study that such GLP information is available for post-May 1984 studies by including an appropriate statement on or attached to the study signed by an authorized official or representative of the registrant.

c. You must certify that each study fulfills the acceptance criteria for the Guideline relevant to the study provided in the FIFRA Accelerated Reregistration Phase 3 Technical Guidance and that the study has been conducted according to the Pesticide Assessment Guidelines (PAG) or meets the purpose of the PAG (both available from NTIS). A study not conducted according to the PAG may be submitted to the Agency for consideration if the registrant believes that the study clearly meets the purpose of the PAG. The registrant is referred to 40 CFR 158.70 which states the Agency's policy regarding acceptable protocols. If you wish to submit the study, you must, in addition to certifying that the purposes of the PAG are met by the study, clearly articulate the rationale why you believe the study meets the purpose of the PAG, including copies of any supporting information or data. It has been the Agency's experience that studies completed prior to January 1970 rarely satisfied the purpose of the PAG and that necessary raw data are usually not available for such studies.

If you submit an existing study, you must certify that the study meets all requirements of the criteria outlined above.

If EPA has previously reviewed a protocol for a study you are submitting, you must identify any action taken by the Agency on the protocol and must indicate, as part of your certification, the manner in which all Agency comments, concerns, or issues were addressed in the final protocol and study.

If you know of a study pertaining to any requirement in this Notice which does not meet the criteria outlined above but does

contain factual information regarding unreasonable adverse effects, you must notify the Agency of such a study. If such study is in the Agency's files, you need only cite it along with the notification. If not in the Agency's files, you must submit a summary and copies as required by PR Notice 86-5.

Option 5. Upgrading a Study -- If a study has been classified as partially acceptable and upgradeable, you may submit data to upgrade that study. The Agency will review the data submitted and determine if the requirement is satisfied. If the Agency decides the requirement is not satisfied, you may still be required to submit new data normally without any time extension. Deficient, but upgradeable studies will normally be classified as supplemental. However, it is important to note that not all studies classified as supplemental are upgradeable. If you have questions regarding the classification of a study or whether a study may be upgraded, call or write the contact person listed in Attachment A. If you submit data to upgrade an existing study you must satisfy or supply information to correct all deficiencies in the study identified by EPA. You must provide a clearly articulated rationale of how the deficiencies have been remedied or corrected and why the study should be rated as acceptable to EPA. Your submission must also specify the MRID number(s) of the study which you are attempting to upgrade and must be in conformance with PR Notice 86-5.

Do not submit additional data for the purpose of upgrading a study classified as unacceptable and determined by the Agency as not capable of being upgraded.

This option should also be used to cite data that has been previously submitted to upgrade a study, but has not yet been reviewed by the Agency. You must provide the MRID number of the data submission as well as the MRID number of the study being upgraded.

The criteria for submitting an existing study, as specified in Option 4 above, apply to all data submissions intended to upgrade studies. Additionally your submission of data intended to upgrade studies must be accompanied by a certification that you comply with each of those criteria as well as a certification regarding protocol compliance with Agency requirements.

Option 6. Citing Existing Studies -- If you choose to cite a study that has been previously submitted to EPA, that study must have been previously classified by EPA as acceptable or it must be a study which has not yet been reviewed by the Agency. Acceptable toxicology studies generally will have been classified as "core-guideline" or "core minimum." For ecological effects studies, the classification generally would be a rating of "core." For all other disciplines the classification would be "acceptable." With respect to any studies for which you wish to select this option you

must provide the MRID number of the study you are citing and, if the study has been reviewed by the Agency, you must provide the Agency's classification of the study.

If you are citing a study of which you are not the original data submitter, you must submit a completed copy of EPA Form 8570-31, Certification with Respect to Data Compensation Requirements.

III-D REQUESTS FOR DATA WAIVERS

There are two types of data waiver responses to this Notice. The first is a request for a low volume/minor use waiver and the second is a waiver request based on your belief that the data requirement(s) are inapplicable and do not apply to your product.

1. Low Volume/Minor Use Waiver -- Option 8 on the Requirements Status and Registrant's Response Form. Section 3(c)(2)(A) of FIFRA requires EPA to consider the appropriateness of requiring data for low volume, minor use pesticides. In implementing this provision EPA considers as low volume pesticides only those active ingredients whose total production volume for all pesticide registrants is small. In determining whether to grant a low volume, minor use waiver the Agency will consider the extent, pattern and volume of use, the economic incentive to conduct the testing, the importance of the pesticide, and the exposure and risk from use of the pesticide. If an active ingredient is used for both high volume and low volume uses, a low volume exemption will not be approved. If all uses of an active ingredient are low volume and the combined volumes for all uses are also low, then an exemption may be granted, depending on review of other information outlined below. An exemption will not be granted if any registrant of the active ingredient elects to conduct the testing. Any registrant receiving a low volume minor use waiver must remain within the sales figures in their forecast supporting the waiver request in order to remain qualified for such waiver. If granted a waiver, a registrant will be required, as a condition of the waiver, to submit annual sales reports. The Agency will respond to requests for waivers in writing.

To apply for a low volume, minor use waiver, you must submit the following information, as applicable to your product(s), as part of your 90-day response to this Notice:

a. (i). Total company sales (pounds and dollars) of all registered product(s) containing the active ingredient. If applicable to the active ingredient, include foreign sales for those products that are not registered in this country but are applied to sugar (cane or beet), coffee, bananas, cocoa, and other such crops. Present the above information by year for each of the past five years.

(ii). Provide an estimate of the sales (pounds and dollars) of the active ingredient for each major use site. Present the above information by year for each of the past five years.

b. Total direct production cost of product(s) containing the active ingredient by year for the past five years. Include information on raw material cost, direct labor cost, advertising, sales and marketing, and any other significant costs listed separately.

c. Total indirect production cost (e.g. plant overhead, amortized plant and equipment) charged to product(s) containing the active ingredient by year for the past five years. Exclude all non-recurring costs that were directly related to the active ingredient, such as costs of initial registration and any data development.

d. (i). A list of each data requirement for which you seek a waiver. Indicate the type of waiver sought and the estimated cost to you (listed separately for each data requirement and associated test) of onducting the testing needed to fulfill each of these data requirements.

(ii). A list of each data requirement for which you are not seeking any waiver and the estimated cost to you (listed separately for each data requirement and associated test) of conducting the testing needed to fulfill each of these data requirements.

e. For each of the next ten years, a year-by-year fore- cast of company sales (pounds and dollars) of the active ingredient, direct production costs of product(s) containing the active ingredient (following the parameters in item 2 above), indirect production costs of product(s) containing the active ingredient (following the parameters in item 3 above), and costs of data development pertaining to the active ingredient.

f. A description of the importance and unique benefits of the active ingredient to users. Discuss the use patterns and the effectiveness of the active ingredient relative to registered alternative chemicals and non-chemical control strategies. Focus on benefits unique to the active ingredient, providing information that is as quantitative as possible. If you do not have quantitative data upon which to base your estimates, then present the reasoning used to derive your estimates. To assist the Agency in determining the degree of importance of the active ingredient in terms of its benefits, you should provide information on any of the following

factors, as applicable to your product(s): (a) documentation of the usefulness of the active ingredient in Integrated Pest Management, (b) description of the beneficial impacts on the environment of use of the active ingredient, as opposed to its registered alternatives, (c) information on the breakdown of the active ingredient after use and on its persistence in the environment, and (d) description of its usefulness against a pest(s) of public health significance.

Failure to submit sufficient information for the Agency to make a determination regarding a request for a low volume/minor use waiver will result in denial of the request for a waiver.

2. Request for Waiver of Data -- Option 9 on the Requirements Status and Registrant's Response Form. This option may be used if you believe that a particular data requirement should not apply because the corresponding use is no longer registered or the requirement is inappropriate. You must submit a rationale explaining why you believe the data requirements should not apply. You must also submit the current label(s) of your product(s) and, if a current copy of your Confidential Statement of Formula is not already on file you must submit a current copy.

You will be informed of the Agency's decision in writing. If the Agency determines that the data requirements of this Notice do not apply to your product(s), you will not be required to supply the data pursuant to section 3(c)(2)(B). If EPA determines that the data are required for your product(s), you must choose a method of meeting the requirements of this Notice within the time frame provided by this Notice. Within 30 days of your receipt of the Agency's written decision, you must submit a revised Requirements Status and Registrant's Response Form indicating the option chosen.

IV. CONSEQUENCES OF FAILURE TO COMPLY WITH THIS NOTICE

IV-A NOTICE OF INTENT TO SUSPEND

The Agency may issue a Notice of Intent to Suspend products subject to this Notice due to failure by a registrant to comply with the requirements of this Data Call-In Notice, pursuant to FIFRA section 3(c)(2)(B). Events which may be the basis for issuance of a Notice of Intent to Suspend include, but are not limited to, the following:

1. Failure to respond as required by this Notice within 90 days of your receipt of this Notice.

2. Failure to submit on the required schedule an acceptable proposed or final protocol when such is required to be submitted to the Agency for review.

3. Failure to submit on the required schedule an adequate progress report on a study as required by this Notice.

4. Failure to submit on the required schedule acceptable data as required by this Notice.

5. Failure to take a required action or submit adequate information pertaining to any option chosen to address the data requirements (e.g., any required action or information pertaining to submission or citation of existing studies or offers, arrangements, or arbitration on the sharing of costs or the formation of Task Forces, failure to comply with the terms of an agreement or arbitration concerning joint data development or failure to comply with any terms of a data waiver).

6. Failure to submit supportable certifications as to the conditions of submitted studies, as required by Section III-C of this Notice.

7. Withdrawal of an offer to share in the cost of developing required data.

8. Failure of the registrant to whom you have tendered an offer to share in the cost of developing data and provided proof of the registrant's receipt of such offer or failure of a registrant on whom you rely for a generic data exemption either to:

a. inform EPA of intent to develop and submit the data required by this Notice on a Data Call-In Response Form and a Requirements Status and Registrant's Response Form;

b. fulfill the commitment to develop and submit the data as required by this Notice; or

c. otherwise take appropriate steps to meet the requirements stated in this Notice,

unless you commit to submit and do submit the required data in the specified time frame.

9. Failure to take any required or appropriate steps, not mentioned above, at any time following the issuance of this Notice.

IV-B. BASIS FOR DETERMINATION THAT SUBMITTED STUDY IS UNACCEPTABLE

The Agency may determine that a study (even if submitted within the required time) is unacceptable and constitutes a basis for issuance of a Notice of Intent to Suspend. The grounds for suspension include, but are not limited to, failure to meet any of the following:

1. EPA requirements specified in the Data Call-In Notice or other documents incorporated by reference (including, as applicable, EPA Pesticide Assessment Guidelines, Data Reporting Guidelines, and GeneTox Health Effects Test Guidelines) regarding the design, conduct, and reporting of required studies. Such requirements include, but are not limited to, those relating to test material, test procedures, selection of species, number of animals, sex and distribution of animals, dose and effect levels to be tested or attained, duration of test, and, as applicable, Good Laboratory Practices.

2. EPA requirements regarding the submission of protocols, including the incorporation of any changes required by the Agency following review.

3. EPA requirements regarding the reporting of data, including the manner of reporting, the completeness of results, and the adequacy of any required supporting (or raw) data, including, but not limited to, requirements referenced or included in this Notice or contained in PR 86-5. All studies must be submitted in the form of a final report; a preliminary report will not be considered to fulfill the submission requirement.

IV-C EXISTING STOCKS OF SUSPENDED OR CANCELLED PRODUCTS

EPA has statutory authority to permit continued sale, distribution and use of existing stocks of a pesticide product which has been suspended or cancelled if doing so would be consistent with the purposes of the Act.

The Agency has determined that such disposition by registrants of existing stocks for a suspended registration when a section 3(c)(2)(B) data request is outstanding would generally not be consistent with the Act's purposes. Accordingly, the Agency anticipates granting registrants permission to sell, distribute, or use existing stocks of suspended product(s) only in exceptional circumstances. If you believe such disposition of existing stocks of your product(s) which may be suspended for failure to comply with this Notice should be permitted, you have the burden of clearly demonstrating to EPA that granting such permission would be consistent with the Act. You must also explain why an "existing

stocks" provision is necessary, including a statement of the quantity of existing stocks and your estimate of the time required for their sale, distribution, and use. Unless you meet this burden the Agency will not consider any request pertaining to the continued sale, distribution, or use of your existing stocks after suspension.

If you request a voluntary cancellation of your product(s) as a response to this Notice and your product is in full compliance with all Agency requirements, you will have, under most circumstances, one year from the date your 90 day response to this Notice is due, to sell, distribute, or use existing stocks. Normally, the Agency will allow persons other than the registrant such as independent distributors, retailers and end users to sell, distribute or use such existing stocks until the stocks are exhausted. Any sale, distribution or use of stocks of voluntarily cancelled products containing an active ingredient for which the Agency has particular risk concerns will be determined on case-by-case basis.

Requests for voluntary cancellation received after the 90 day response period required by this Notice will not result in the Agency granting any additional time to sell, distribute, or use existing stocks beyond a year from the date the 90 day response was due unless you demonstrate to the Agency that you are in full compliance with all Agency requirements, including the requirements of this Notice. For example, if you decide to voluntarily cancel your registration six months before a 3 year study is scheduled to be submitted, all progress reports and other information necessary to establish that you have been conducting the study in an acceptable and good faith manner must have been submitted to the Agency, before EPA will consider granting an existing stocks provision.

SECTION V. REGISTRANTS' OBLIGATION TO REPORT POSSIBLE UNREASONABLE ADVERSE EFFECTS

Registrants are reminded that FIFRA section 6(a)(2) states that if at any time after a pesticide is registered a registrant has additional factual information regarding unreasonable adverse effects on the environment by the pesticide, the registrant shall submit the information to the Agency. Registrants must notify the Agency of any factual information they have, from whatever source, including but not limited to interim or preliminary results of studies, regarding unreasonable adverse effects on man or the environment. This requirement continues as long as the products are registered by the Agency.

SECTION VI. INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the requirements and procedures established by this Notice, call the contact person listed in Attachment A, the Data Call-In Chemical Status Sheet.

All responses to this Notice (other than voluntary cancellation requests and generic data exemption claims) must include a completed Data Call-In Response Form (Attachment B) and a completed Requirements Status and Registrant's Response Form (Attachment C) and any other documents required by this Notice, and should be submitted to the contact person identified in Attachment A. If the voluntary cancellation or generic data exemption option is chosen, only the Data Call-In Response Form need be submitted.

The Office of Compliance Monitoring (OCM) of the Office of Pesticides and Toxic Substances (OPTS), EPA, will be monitoring the data being generated in response to this Notice.

Sincerely yours,

Daniel M. Barolo, Director
Special Review and
Reregistration Division

Attachments

A - Data Call-In Chemical Status Sheet
B - Data Call-In Response Form
C - Requirements Status and Registrants Response Form
D - List of Registrants Receiving This Notice
E - EPA Acceptance Criteria
F - Cost Share and Data Compensation Forms

ATTACHMENT A

Chemical Status Sheet

ATTACHMENT A

CHLORINATED ISOCYANURATES: DATA CALL-IN CHEMICAL STATUS SHEET

INTRODUCTION

You have been sent this Generic Data Call-In Notice because you have product(s) containing technical chlorinated isocyanurates.

This Generic Data Call-In Chemical Status Sheet, contains an overview of the data required by this notice, and point of contact for inquires pertaining to the reregistration of the chlorinated isocyanurates. This attachment is to be used in conjunction with (1) the Generic Data Call-In Notice, (2) the Generic Data Call-In Response Form (Attachment B), (3) The Requirements Status and Registrant's Response form (Attachment C), (4) a list of registrants subject to this DCI and List of Products Subject to this generic DCI (Attachment D), (5) the EPA Acceptance Criteria (Attachment E), and (6) the Cost Share and Data Compensation Forms in replying to this chlorinated isocyanurate Generic Data Call-In (Attachment F). Instructions and guidance accompany each form.

DATA REQUIRED BY THIS NOTICE

The additional data requirements needed to complete the generic database for the chlorinated isocyanurates are contained in the Requirements Status and Registrant's Response Form, Attachment C. The Agency has concluded that additional product chemistry data on certain technical/manufacturing use products are needed. These data are needed to fully complete the reregistration of all eligible chlorinated isocyanurate products.

INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the generic data requirements and procedures established by this Notice, please contact Karen Samek at (703) 308-8051.

All responses to this Notice for the generic data requirements should be submitted to:

Document Processing Desk (RED-SRRD-0569)
Office of Pesticide Programs (H7504C)
Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460-0001

RE: Chlorinated Isocyanurates

ATTACHMENT B

Generic Data Call-In Response Forms (Form A) Plus Instructions

SPECIFIC INSTRUCTIONS FOR THE DATA CALL-IN RESPONSE FORM

This form is designed to be used to respond to call-ins for generic and product specific data for the purpose of reregistering pesticides under the Federal Insecticide Fungicide and Rodenticide Act. Fill out this form each time you are responding to a data call-in for which EPA has sent you the form entitled "Requirements Status and Registrant's Response."

Items 1 -4 will have been preprinted on the form. Items 5 through 7 must be completed by the registrant as appropriate. Items 8 through 11 must be completed by the registrant before submitting a response to the Agency.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggesting for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Project 2070-0107, Washington, D.C. 20503.

INSTRUCTIONS

Item 1. This item identifies your company name, number and address.

Item 2. This item identifies the case number, case name, EPA chemical number and chemical name.

Item 3. This item identifies the date and type of data call-in.

Item 4. This item identifies the EPA product registrations relevant to the data call-in. Please note that you are also responsible for informing the Agency of your response regarding any product that you believe may be covered by this data call-in but that is not listed by the Agency in Item 4. You must bring any such apparent omission to the Agency's attention within the period required for submission of this response form.

Item 5. Check this item for each product registration you wish to cancel voluntarily. If a registration number is listed for a product for which you previously requested voluntary cancellation, indicate in Item 5 the date of that request. You do not need to complete any item on the Requirements Status and Registrant's Response Form for any product that is voluntarily cancelled.

Item 6a. Check this item if this data call-in is for generic data as indicated in Item 3 and if you are eligible for a Generic Data Exemption for the chemical listed in Item 2 and used in the subject product. By electing this exemption, you agree to the terms and conditions of a Generic Data Exemption as explained in the Data Call-In Notice.

If you are eligible for or claim a Generic Data Exemption, enter the EPA registration Number of each registered source of that active ingredient that you use in your product.

Typically, if you purchase an EPA-registered product from one or more other producers (who, with respect to the incorporated product, are in compliance with this and any other outstanding Data Call-In Notice), and incorporate that product into all your products, you may complete this item for all products listed on this form. If, however, you produce the active ingredient yourself, or use any unregistered product (regardless of the fact that some of your sources are registered), you may not claim a Generic Data Exemption and you may not select this item.

Item 6b. Check this Item if the data call-in is a generic data call-in as indicated in Item 3 and if you are agreeing to satisfy the generic data requirements of this data call-in. Attach the Requirements Status and Registrant's Response Form that indicates how you will satisfy those requirements.

Item 7a. Check this item if this call-in is a data call-in as indicated in Item 3 for a manufacturing use product (MUP), and if your product is a manufacturing use product for which you agree to supply product-specific data. Attach the Requirements Status and Registrants' Response Form that indicates how you will satisfy those requirements.

Item 7b. Check this item if this call-in is a data call-in for an end use product (EUP) as indicated in Item 3 and if your product is a end use product for which you agree to supply product-specific data. Attach the Requirements Status and Registrant's Response Form that indicates how you will satisfy those requirements.

Item 8. This certification statement must be signed by an authorized representative of your company and the person signing must include his/her title. Additional pages used in your response must be initialled and dated in the space provided for the certification.

Item 9. Enter the date of signature.

Item 10. Enter the name of the person EPA should contact with questions regarding your response.

Item 11. Enter the phone number of your company contact.

United States Environmental Protection Agency
Washington, D.C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address	2. Case # and Name	3. Date and Type of DCI
	0569 Chlorinated Isocyanurates Chemical # and Name 081401 Dichloroisocyanuric acid	GENERIC MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."

8. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company Contact

11. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address	2. Case # and Name 0569 Chlorinated Isocyanurates Chemical # and Name 081403 Potassium dichloroisocyanurate	3. Date and Type of DCI GENERIC MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."

8. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company Contact

11. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address	2. Case # and Name	3. Date and Type of DCI
	0569 Chlorinated Isocyanurates Chemical # and Name 081404 Sodium dichloroisocyanurate	GENERIC MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."

8. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company Contact

11. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081405
Trichloroisocyanuric acid

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."

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Signature and Title of Company's Authorized Representative _____

9. Date

10. Name of Company Contact

11. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address	2. Case # and Name 0569 Chlorinated Isocyanurates Chemical # and Name 081407 Sodium dichloroisocyanurate dihydrate	3. Date and Type of DCI GENERIC MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."

8. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company Contact

11. Phone Number

ATTACHMENT C

Requirements Status and Registrants' Response Forms (Form B) Plus Instructions

SPECIFIC INSTRUCTIONS FOR COMPLETING THE REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE FORM

Generic Data

This form is designed to be used for registrants to respond to call-ins for generic and product-specific data as part of EPA's reregistration program under the Federal Insecticide Fungicide and Rodenticide Act. Although the form is the same for both product specific and generic data, instructions for completing the forms differ slightly. Specifically, options for satisfying product specific data requirements do not include (1) deletion of uses or (2) request for a low volume/minor use waiver. These instructions are for completion of generic data requirements.

EPA has developed this form individually for each data call-in addressed to each registrant, and has preprinted this form with a number of items. DO NOT use this form for any other active ingredient.

Items 1 through 8 (inclusive) will have been preprinted on the form. You must complete all other items on this form by typing or printing legibly.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggesting for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Project 2070-0107, Washington, D.C. 20503.

INSTRUCTIONS

Item 1. This item identifies your company name, number, and address.

Item 2. This item identifies the case number, case name, EPA chemical number and chemical name.

Item 3. This item identifies the date and type of data call-in.

Item 4. This item identifies the guideline reference numbers of studies required to support the product(s) being reregistered. These guidelines, in addition to requirements specified in the Data Call-In Notice, govern the conduct of the required studies.

Item 5. This item identifies the study title associated with the guideline reference number and whether protocols and 1, 2, or 3-year progress reports are required to be submitted in connection with the study. As noted in Section III of the Data Call-In Notice, 90-day progress reports are required for all studies.

If an asterisk appears in Item 5, EPA has attached information relevant to this guideline reference number to the Requirements Status and Registrant's Response Form.

Item 6. This item identifies the code associated with the use pattern of the pesticide. A brief description of each code follows:

A	Terrestrial food
B	Terrestrial feed
C	Terrestrial non-food
D	Aquatic food
E	Aquatic non-food outdoor
F	Aquatic non-food industrial
G	Aquatic non-food residential
H	Greenhouse food
I	Greenhouse non-food crop
J	Forestry
K	Residential
L	Indoor food
M	Indoor non-food
N	Indoor medical
O	Indoor residential

Item 7. This item identifies the code assigned to the substance that must be used for testing. A brief description of each code follows:

EP	End-Use Product
MP	Manufacturing-Use Product
MP/TGAI	Manufacturing-Use Product and Technical Grade Active Ingredient
PAI	Pure Active Ingredient
PAI/M	Pure Active Ingredient and Metabolites
PAI/PAIRA	Pure Active Ingredient or Pure Active Ingredient Radiolabelled
PAIRA	Pure Active Ingredient Radiolabelled
PAIRA/M	Pure Active Ingredient Radiolabelled and Metabolites
PAIRA/PM	Pure Active Ingredient Radiolabelled and Plant Metabolites
TEP	Typical End-Use Product
TEP __%	Typical End-Use Product, Percent Active 8Ingredient Specified
TEP/MET	Typical End-Use Product and Metabolites
TEP/PAI/M	Typical End-Use Product or Pure Active Ingredient and Metabolites
TGAI	Technical Grade Active Ingredient
TGAI/PAI	Technical Grade Active Ingredient or Pure Active Ingredient
TGAI/PAIRA	Technical Grade Active Ingredient or Pure Active Ingredient Radiolabelled
TGAI/TEP	Technical Grade Active Ingredient or Typical End-Use Product
MET	Metabolites
IMP	Impurities
DEGR	Degradates
*	See: guideline comment

Item 8. This item identifies the time frame allowed for submission of the study or protocol identified in item 2. The time frame runs from the date of your receipt of the Data Call-In Notice.

Item 9. Enter the appropriate Response Code or Codes to show how you intend to comply with each data requirement. Brief descriptions of each code follow. The Data Call-In Notice contains a fuller description of each of these options.

1. (Developing Data) I will conduct a new study and submit it within the time frames specified in item 8 above. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to the conditions for submittal of this study as outlined in the Data Call-In Notice and that I will provide the protocols and progress reports required in item 5 above.

2. (Agreement to Cost Share) I have entered into an agreement with one or more registrants to develop data

jointly. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to sharing in the cost of developing data as outlined in the Data Call-In Notice.

3. (Offer to Cost Share) I have made an offer to enter into an agreement with one or more registrants to develop data jointly. I am submitting a copy of the form "Certification of Offer to Cost Share in the Development of Data" that describes this offer/agreement. By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to making an offer to share in the cost of developing data as outlined in the Data Call-In Notice.

4. (Submitting Existing Data) I am submitting an existing study that has never before been submitted to EPA. By indicating that I have chosen this option, I certify that this study meets all the requirements pertaining to the conditions for submittal of existing data outlined in the Data Call-In Notice and I have attached the needed supporting information along with this response.

5. (Upgrading a Study) I am submitting or citing data to upgrade a study that EPA has classified as partially acceptable and potentially upgradeable. By indicating that I have chosen this option, I certify that I have met all the requirements pertaining to the conditions for submitting or citing existing data to upgrade a study described in the Data Call-In Notice. I am indicating on attached correspondence the Master Record Identification Number (MRID) that EPA has assigned to the data that I am citing as well as the MRID of the study I am attempting to upgrade.

6. (Citing a Study) I am citing an existing study that has been previously classified by EPA as acceptable, core, core minimum, or a study that has not yet been reviewed by the Agency. I am providing the Agency's classification of the study.

7. (Deleting Uses) I am attaching an application for amendment to my registration deleting the uses for which the data are required.

8. (Low Volume/Minor Use Waiver Request) I have read the statements concerning low volume-minor use data waivers in the Data Call-In Notice and I request a low-volume minor use waiver of the data requirement. I am attaching a detailed justification to support this waiver request including, among other things, all information required to support the request. I understand that, unless modified by the Agency in

writing, the data requirement as stated in the Notice governs.

9. (Request for Waiver of Data) I have read the statements concerning data waivers other than low-volume minor-use data waivers in the Data Call-In Notice and I request a waiver of the data requirement. I am attaching an identification of the basis for this waiver and a detailed justification to support this waiver request. The justification includes, among other things, all information required to support the request. I understand that, unless modified by the Agency in writing, the data requirement as stated in the Notice governs.

Item 10. This item must be signed by an authorized representative of your company. The person signing must include his/her title, and must initial and date all other pages of this form.

Item 11. Enter the date of signature.

Item 12. Enter the name of the person EPA should contact with questions regarding your response.

Item 13. Enter the phone number of your company contact.

United States Environmental Protection Agency
Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081401
Dichloroisocyanuric acid

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
61-2(a)	Begin. mat. & mnfg. proc					all	TGAI	6 mos.	
61-2(b)	Discussion of impurities					all	TGAI	6 mos.	
62-1	Preliminary Analysis					all	TGAI	6 mos.	
63-2	Color					all	TGAI	6 mos.	
63-3	Physical State					all	TGAI	6 mos.	
63-4	Odor					all	TGAI	6 mos.	
63-5	Melting Point					all	TGAI	6 mos.	
63-6	Boiling Point					all	TGAI	6 mos.	
63-7	Density					all	TGAI	6 mos.	
63-8	Solubility					all	TGAI	6 mos.	
63-9	Vapor Pressure					all	TGAI	6 mos.	
63-10	Dissociation Constant					all	TGAI	6 mos.	
63-11	Oct/Water partition Coef.					all	TGAI	6 mos.	
63-12	pH					all	TGAI	6 mos.	
63-13	Stability					all	TGAI	6 mos.	

10. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative _____

11. Date

12. Name of Company Contact

13. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

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Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081403
Potassium dichloroisocyanurate

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
61-2(a)	Begin. mat. & mnfg. proc					all	TGAI	6 mos.	
61-2(b)	Discussion of impurities					all	TGAI	6 mos.	
62-1	Preliminary Analysis					all	TGAI	6 mos.	
63-2	Color					all	TGAI	6 mos.	
63-3	Physical State					all	TGAI	6 mos.	
63-4	Odor					all	TGAI	6 mos.	
63-5	Melting Point					all	TGAI	6 mos.	
63-6	Boiling Point					all	TGAI	6 mos.	
63-7	Density					all	TGAI	6 mos.	
63-8	Solubility					all	TGAI	6 mos.	
63-9	Vapor Pressure					all	TGAI	6 mos.	
63-10	Dissociation Constant					all	TGAI	6 mos.	
63-11	Oct/Water partition Coef.					all	TGAI	6 mos.	
63-12	pH					all	TGAI	6 mos.	
63-13	Stability					all	TGAI	6 mos.	

10. Certification
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Signature and Title of Company's Authorized Representative _____

11. Date

12. Name of Company Contact

13. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

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Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081404
Sodium dichloroisocyanurate

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
61-2(a)	Begin. mat. & mnfg. proc					all	TGAI	6 mos.	
61-2(b)	Discussion of Impurities					all	TGAI	6 mos.	
62-1	Preliminary Analysis					all	TGAI	6 mos.	
63-2	Color					all	TGAI	6 mos.	
63-3	Physical State					all	TGAI	6 mos.	
63-4	Odor					all	TGAI	6 mos.	
63-5	Melting Point					all	TGAI	6 mos.	
63-6	Boiling Point					all	TGAI	6 mos.	
63-7	Density					all	TGAI	6 mos.	
63-8	Solubility					all	TGAI	6 mos.	
63-9	Vapor Pressure					all	TGAI	6 mos.	
63-10	Dissociation Constant					all	TGAI	6 mos.	
63-11	Oct/Water partition Coef.					all	TGAI	6 mos.	
63-12	pH					all	TGAI	6 mos.	
63-13	Stability					all	TGAI	6 mos.	

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Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company Contact

13. Phone Number

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Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081405
Trichloroisocyanuric acid

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	BOOKOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
61-2 (a)	Begin. mat. & mnfg. proc					all	TGAI	6 mos.	
61-2 (b)	Discussion of impurities					all	TGAI	6 mos.	
62-1	Preliminary Analysis					all	TGAI	6 mos.	
63-2	Color					all	TGAI	6 mos.	
63-3	Physical State					all	TGAI	6 mos.	
63-4	Odor					all	TGAI	6 mos.	
63-5	Melting Point					all	TGAI	6 mos.	
63-6	Boiling Point					all	TGAI	6 mos.	
63-7	Density					all	TGAI	6 mos.	
63-8	Solubility					all	TGAI	6 mos.	
63-9	Vapor Pressure					all	TGAI	6 mos.	
63-10	Dissociation Constant					all	TGAI	6 mos.	
63-11	Oct/Water partition Coef.					all	TGAI	6 mos.	
63-12	pH					all	TGAI	6 mos.	
63-13	Stability					all	TGAI	6 mos.	

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Signature and Title of Company's Authorized Representative _____

11. Date

12. Name of Company Contact

13. Phone Number

United States Environmental Protection Agency
Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name 081407
Sodium dichloroisocyanurate dihydrate

3. Date and Type of DCI
GENERIC
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
61-2(a)	Begin. mat. & mnfg. proc					all	TGAI	6 mos.	
61-2(b)	Discussion of Impurities					all	TGAI	6 mos.	
62-1	Preliminary Analysis					all	TGAI	6 mos.	
63-2	Color					all	TGAI	6 mos.	
63-3	Physical State					all	TGAI	6 mos.	
63-4	Odor					all	TGAI	6 mos.	
63-5	Melting Point					all	TGAI	6 mos.	
63-6	Boiling Point					all	TGAI	6 mos.	
63-7	Density					all	TGAI	6 mos.	
63-8	Solubility					all	TGAI	6 mos.	
63-9	Vapor Pressure					all	TGAI	6 mos.	
63-10	Dissociation Constant					all	TGAI	6 mos.	
63-11	Oct/Water partition Coef.					all	TGAI	6 mos.	
63-12	pH					all	TGAI	6 mos.	
63-13	Stability					all	TGAI	6 mos.	

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Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company Contact

13. Phone Number

ATTACHMENT D

List of Registrants Subject to this Data Call-In Notice

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081401 Dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
006466	FITZPATRICK BROS INC		625 N. SACRAMENTO BLVD	CHICAGO IL	60612
008428	SHRADER CHEMICAL COMPANY		1205 S SANTA FE	COMPTON CA	90221
035909	ASSOCIATED WATER CONDITIONERS, INC		23 GREEN LANE	SUCCASUNNA NJ	07876

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081403 Potassium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
001124	ELF ATOCHEM N.A. INC	JANITORIAL & TEXTILES PRODUCTS DIV	7300 BOLSA AVE	WESTMINSTER CA	92684
001203	DELTA FOREMOST CHEMICAL CORP		3915 AIR PARK ST.	MEMPHIS TN	38118
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
004400	U.S. SANITIZING COMPANY, INC.		3372 N. HOLTON ST.	MILWAUKEE WI	53212
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
005991	THEOCHEM LABORATORIES INC	AGENT FOR: TIME PRODUCTS INC	7373 ROWLETT PARK DR	TAMPA FL	33610
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
007116	U.N.X. INC.		BOX 7206	GREENVILLE NC	27835
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010508	CHEMIDYNE CORP		PO BOX 171	MACEDONIA OH	44056
040510	U.S. ARMY NATICK RD&E CENTER		STRNC-YM (DR. ROWLEY)	NATICK MA	01760
065020	BIOSENTRY, INC		1481 ROCK MOUNTAIN BLVD	STONE MOUNTAIN GA	30083

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000602	PURINA MILLS, INC.		BOX 66812	ST LOUIS MO	63166
000833	ALEX C. FERGUSSON, INC		SPRING MILL DR	FRAZER PA	19355
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
001072	BABSON BROTHERS COMPANY, CHEMICAL		1354 ENTERPRISE DRIVE	ROMEOVILLE IL	60441
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
001677	ECOLAB INC.		370 WABASHA ST. ECOLAB CENTER	ST PAUL MN	55102
003432	N. JONAS & CO., INC.		4520 ADAMS CIRCLE BOX 425	BENSALEM PA	19020
003522	LUSEAUX LABS INC		16816 SO GRAMERCY PL.	GARDENIA CA	90247
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003640	STEARNS PACKAGING CORP.		BOX 3216	MADISON WI	53704
004462	USC A DIVISION OF HYDRITE CHEMICAL		300 N PATRICK BLVD	BROOKFIELD WI	53045
004524	H.B. FULLER COMPANY		3900 JACKSON ST., N.E.	MINNEAPOLIS MN	55421
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
006809	HAWLEY H F CHEMICAL CO		BOX 8899 2511 W LANE	STOCKTON CA	95208
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007350	CHASKA CHEMICAL COMPANY		12502 XENWOOD AVE. SOUTH	SAVAGE MN	55378
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007547	WESTERN WATER MANAGEMENT, INC.		1345 TANEY BOX 7469	NO KANSAS CITY MO	64116
007616	CHEM LAB PRODUCTS INC		5160 E. AIRPORT DR.	ONTARIO CA	91761
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008540	GARRATT CALLAHAN COMPANY		111 ROLLINS RD	MILLBRAE CA	94031
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
008866	ARCO INDUSTRIES, INC.		4871 NO. 119TH STREET	MILWAUKEE WI	53225
008959	APPLIED BIOCHEMISTS, INC		6120 W DOUGLAS AVE	MILWAUKEE WI	53218
009152	MORGAN-GALLACHER INC		8707 MILLERGROVE DR	SANTE FE SPRINGS CA	90670

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
010133	NATIONAL CHEMICAL	DIV OF SELIG CHEM IND	BOX 43186	ATLANTA GA	30336
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010190	PENETONE CORPORATION		74 HUDSON AVE	TENAFLY NJ	07670
010336	AQUAPHASE LABORATORIES INC		BOX 7	GALLATIN TN	37066
010598	WORLD INDUSTRIES INTERNATIONAL, IN		17955 ARENTH AVE.	CITY OF INDUSTRY CA	91748
010634	ALPHA CHEMICAL SERVICES INC		BOX 431	STOUGHTON MA	02072
010897	NASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
011411	LESLIE'S SWIMMING POOL SUPPLIES IN		BOX 2108	CHATSWORTH CA	91313
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
012465	ADVANCED LAORATORIES	E-Z CLOR SYSTEMS, INC	1920 BELT WAY DR BOX 1368	ST LOUIS MO	63114
018031	NATIONAL SWIMMING POOL PRODUCTS IN		775 RIVER ST	PATTERSON NJ	07524
033906	SRS INTERNATIONAL	AGENT FOR: NISSAN CHEMICAL INDUSTR	1625 K ST NW SUITE 975	WASHINGTON DC	20036
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
036284	ORTEX PRODUCTS OF CALIFORNIA, INC		701 HARITON ST	ORANGE CA	92668
037982	ALL-PURE CHEMICAL CO		26700 S. BANTA RD - BOX 268	TRACY CA	95376
039118	BESST CHEMICALS INC		BAYAMON GARDENS STATION BOX 4112	BAYAMON PR	00958
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
043521	SWIMCHEM, INC		1702 YOUT ST	RACINE WI	53404
043973	POOLTIME PRODUCTS INC.		2120 HUNTINGTON DR.	SOUTH PASADENA CA	91030
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
045387	SCIENTIFIC WATER SYSTEMS		BOX 52886	LAFAYETTE LA	70505
046183	SAFEWAY INDUSTRIES, INC.		3372 N. HOLTON STREET	MILWAUKEE WI	53212
048242	RAM CHEMICAL & SUPPLY		9836 CLAY RD.	HOUSTON TX	77080
048925	DESPO CHEMICALS INT'L., INC.		395 FRONT STREET.	PERT AMBOY NJ	08861
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442
053346	APS INDUSTRIES		746 SOUTHERN AVE.	ORANGE CA	92665
053892	CAREFREE CHEMICAL CO	A DIV. OF NAUTILUS INDUSTRIES, INC	11397 SLATER AVE	FOUNTAIN VALLEY CA	92708
054998	CAPO INDUSTRIES, LTD.		2296 KENMORE AVE	BUFFALO NY	14207

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
057425	EUGENE P. DEATRICK	AGENT FOR: CONTROL CHEMICALS (PTY)	1013 EAST TAYLOR RUN PARKWAY	ALEXANDRIA VA	22302
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058880	P.D.Q. OF GEORGIA, INC.		3920 NORTH PEACHTREE ROAD	CHAMBLEE GA	30341
062498	PRIDE MFG. INC.		1001 OLYMPIA DR.	PEORIA IL	61615
063287	CHEM TAB	DIVISION OF OLDE TYME PRODUCTS, IN	1253 E. ARTESIA BLVD.	CARSON CA	90746
064864	PACE INTERNATIONAL, L.P.		BOX 558	KIRKLAND WA	98083
065020	BIOSENTRY, INC		1481 ROCK MOUNTAIN BLVD	STONE MOUNTAIN GA	30083

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000148	HARCROS CHEMICALS INC.		BOX 2930	KANSAS CITY KS	66110
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000541	PURITAN/CHURCHILL CHEMICAL CO.		916 ASHBY STREET, N.W.	ATLANTA GA	30318
001020	OAKITE PRODUCTS INC		50 VALLEY RD	BERKELEY HEIGHTS NJ	07922
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
002136	HOFFMAN, J.L. CO., INC.		BOX 8656	ALLENTOWN PA	18105
003432	N. JONAS & CO., INC.		4520 ADAMS CIRCLE BOX 425	BENSALEM PA	19020
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003876	BETZ LABORATORIES, INC.		4636 SOMERTON ROAD	TREVOSE PA	19053
004582	COLGATE PALMOLIVE CO	INSTITUTIONAL PRODUCTS DIVISION	101 N SUMMIT ST	TENAFLY NJ	07670
004591	LYNDE CO		3040 EAST HENNEPIN AVE	MINNEAPOLIS MN	55413
004643	DEARBORN DIVISION	W. R. GRACE & CO-CONN.	300 GENESEE ST	LAKE ZURICH IL	60047
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007152	SEABOARD INDUSTRIES		185 VAN WINKLE AVE.	HAWTHORNE NJ	07507
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007616	CHEM LAB PRODUCTS INC		5160 E. AIRPORT DR.	ONTARIO CA	91761
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
008866	ARCO INDUSTRIES, INC.		4871 NO. 119TH STREET	MILWAUKEE WI	53225
008959	APPLIED BIOCHEMISTS, INC		6120 W DOUGLAS AVE	MILWAUKEE WI	53218
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
009291	POOL TROL PRODUCTS		225 PASSAIC STREET	PASSAIC NJ	07055
010147	BIRKO CORPORATION		BOX 530	WESTMINSTER CO	80030

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010336	AQUAPHASE LABORATORIES INC		BOX 7	GALLATIN TN	37066
010598	WORLD INDUSTRIES INTERNATIONAL, IN		17955 ARENTH AVE.	CITY OF INDUSTRY CA	91748
010707	BAKER PERFORMANCE CHEMICALS, INC.		3920 ESSEX LANE	HOUSTON TX	77227
010897	HASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
011329	ALADDIN CHEMICAL COMPANY		22001 INDUSTRIAL BLVD.	ROGERS MN	55374
011411	LESLIE'S SWIMMING POOL SUPPLIES IN		BOX 2108	CHATSWORTH CA	91313
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
012465	ADVANCED LAORATORIES	E-Z CLOR SYSTEMS, INC	1920 BELT WAY DR BOX 1368	ST LOUIS MO	63114
012477	ECONOMY SERVICE & SALES COMPANY		4252 WHITAKER AVE.	PHILADELPHIA PA	19124
013812	WATCON INC		2215 MAIN ST	SOUTH BEND IN	46613
015300	CHEMTREAT, INC.		500 LICKINGHOLE RD-HANOVER INDUSTR	ASHLAND VA	23005
027581	MIDLAND RESEARCH LAB., INC.		10850 MID AMERICA AVENUE	LENEXA KS	66219
033458	ALLIED UNIVERSAL CORP.		8350 N.W. 93 STREET	MIAMI FL	33166
033906	SRS INTERNATIONAL	AGENT FOR: NISSAN CHEMICAL INDUSTR	1625 K ST NW SUITE 975	WASHINGTON DC	20036
033980	PAZIANOS ASSOC	AGENT FOR: SHIKOKU CHEMICALS CORP	1338 G ST SE	WASHINGTON DC	20003
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
036284	ORTEX PRODUCTS OF CALIFORNIA, INC		701 HARITON ST	ORANGE CA	92668
037428	OK POOL SERVICE, INC		7295 BIRD ROAD	MIAMI FL	33155
037982	ALL-PURE CHEMICAL CO		26700 S. BANTA RD - BOX 268	TRACY CA	95376
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
041702	STEELCRETE CO		45700 W 12 MILE RD BOX 636	NOVI MI	48376
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
043973	POOLTIME PRODUCTS INC.		2120 HUNTINGTON DR.	SOUTH PASADENA CA	91030
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
045387	SCIENTIFIC WATER SYSTEMS		BOX 52886	LAFAYETTE LA	70505
046043	SUNCOAST CHEMICAL CO		14480 62ND ST N	CLEARWATER FL	34618
047033	CASCADE WATER SERVICES INC.		49 BLOOMINGDALE ROAD	HICKSVILLE NY	11801
048242	RAM CHEMICAL & SUPPLY		9836 CLAY RD.	HOUSTON TX	77080
048520	PHOENIX CHEMICAL CO		8 FAIRFIELD COURT	DANBURY CT	06811
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
053346	APS INDUSTRIES		746 SOUTHERN AVE.	ORANGE CA	92665
053735	KING TECHNOLOGY INC.		9909 SMETANA DR.	MINNETONKA MN	55343
054998	CAPO INDUSTRIES, LTD.		2296 KENMORE AVE	BUFFALO NY	14207
057091	EDWARD W LYLE	AGENT FOR: FERTILIZERS & CHEMICALS	1275 PENNSYLVANIA AVE SUITE 202	WASHINGTON DC	20004
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058401	STELLAR MANUFACTURING CO		131 BYASSEE DR	ST LOUIS MO	63042
062498	PRIDE MFG. INC.		1001 OLYMPIA DR.	PEORIA IL	61615
063041	CUSTOM POOLS OF HOUSTON		1200 BLALOCK SUITE 312	HOUSTON TX	77055

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
000148	HARCROS CHEMICALS INC.		BOX 2930	KANSAS CITY KS	66110
000178	PURDY PRODUCTS COMPANY		BOX 456	WAUCONDA IL	60084
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000275	ABBOTT LABORATORIES	DR. JOSEPH C. WHITE DIRECTOR, REGU	14TH AND SHERIDAN RD.	NORTH CHICAGO IL	60064
000278	MIAMI PRODUCTS & CHEMICAL COMPANY		P.O. BOX 486	DAYTON OH	45401
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000777	L & F PRODUCTS		225 SUMMIT AVENUE	MONTVALE NJ	07645
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
000881	RICHARDSON CHEMICAL PRODUCTS CO.		BOX 71	BUTLER WI	53007
001043	CALGON VESTAL LABORATORIES	DIVISION OF CALGON CORPORATION	BOX 147	ST LOUIS MO	63166
001072	BABSON BROTHERS COMPANY, CHEMICAL		1354 ENTERPRISE DRIVE	ROMEOVILLE IL	60441
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
001270	ZEP MANUFACTURING COMPANY		BOX 2015	ATLANTA GA	30301
001275	OLIVER CHEM COMPANY INC.		2908 SPRING GROVE AVE	CINCINNATI OH	45225
001317	AN-FO MANUFACTURING COMPANY		3129 ELMWOOD AVE. BOX 7311	OAKLAND CA	94601
001677	ECOLAB INC.		370 WABASHA ST. ECOLAB CENTER	ST PAUL MN	55102
001706	NALCO CHEMICAL CO.		ONE NALCO CENTER	NAPERVILLE, IL	60563
001757	DREW INDUSTRIAL DIVISION	ASHLAND CHEMICAL, INC.	BOX 2219	COLUMBUS OH	43216
001791	SAVOLITE INC		10848 E MARGINAL WAY SO.	SEATTLE WA	98168
001816	ELF ATOCHEM N.A. INC	TURCO PRODUCTS, INC	7300 BOLSA AVE	WESTMINSTER CA	92684
002292	COUGHLAN PRODUCTS CORP		101 OLIVER ST	PATTERSON NJ	07509
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003573	PROCTER & GAMBLE CO.		6060 CENTER HILL ROAD	CINCINNATI OH	45224
004313	CARROLL COMPANY		2900 W. KINGSLEY RD.	GARLAND TX	75041
004591	LYNDE CO		3040 EAST HENNEPIN AVE	MINNEAPOLIS MN	55413
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
004875	INDCO INC.		BOX 109	GLOUCESTER CITY NJ	08030
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
005389	KAY CHEMICAL COMPANY		BOX 18407	GREENSBORO NC	27419
005768	SPURRIER CHEMICAL COMPANIES INC.		BOX 2812	WICHITA KS	67201
005870	TEXO CORP		2801 HIGHLAND AVE	CINCINNATI OH	45212

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
006198	NATIONAL CHEMICALS INC		105 LIBERTY STREET BOX 32	WINONA MN	55987
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007152	SEABOARD INDUSTRIES		185 VAN WINKLE AVE.	HAWTHORNE NJ	07507
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007546	U S CHEMICAL	A DIVISION OF HYDRITE CHEMICAL CO	300 N PATRICK BLVD	BROOKFIELD WI	53008
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008405	WEBCO CHEMICAL CORP		BOX 340	WEBSTER MA	01570
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
009409	SARATOGA SPECIALTIES	CHEMICALS DIVISION	150 RAILROAD AVENUE	NORTHLAKE IL	60164
009411	KENCO CHEMICAL CO., INC.		BOX 912	SCHENECTADY NY	12301
010079	JERSEY CHEMICALS INC		775 RIVER ST	PATERSON NJ	07524
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010428	WESMAR COMPANY, INC.		1451 NW 46TH	SEATTLE WA	98107
010634	ALPHA CHEMICAL SERVICES INC		BOX 431	STOUGHTON MA	02072
010897	HASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
010932	AQUA-SERV ENGINEERS, INC		13560 COLOMBARD CT	FONTANA CA	92335
011329	ALADDIN CHEMICAL COMPANY		22001 INDUSTRIAL BLVD.	ROGERS MN	55374
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
021164	RIO LINDA CHEMICAL CO, INC		410 N. 10TH ST	SACRAMENTO CA	95814
033980	PAZIANOS ASSOC	AGENT FOR: SHIKOKU CHEMICALS CORP	1338 G ST SE	WASHINGTON DC	20003
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
035495	CHEMAX		5700 NW FRONT AVENUE	PORTLAND OR	97210
037428	OK POOL SERVICE, INC		7295 BIRD ROAD	MIAMI FL	33155
040871	CHEMLAND INC.		BOX 2999	TURLOCK CA	95381
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
041702	STEELCRETE CO		45700 W 12 MILE RD BOX 636	NOVI MI	48376

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
041831	PARK CORPORATION		511 LAKE ZURICH ROAD	BARRINGTON IL	60010
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
042446	GARNET LABORATORIES INC		PO BOX 90226-2315 FELECIA ST	NASHVILLE TN	37209
043680	WEAS ENGINEERING INC.		BOX 816	CARMEL IN	46032
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
047033	CASCADE WATER SERVICES INC.		49 BLOOMINGDALE ROAD	HICKSVILLE NY	11801
048211	INTERCON CHEMICAL		3647 BELL AVENUE	ST. LOUIS MO	63108
049292	FORMULA CORP		2383 A 200TH ST	SEATTLE WA	98108
050600	SHEPHARD BROTHERS		509 W. LAMBERT RD.	BREA CA	92621
051624	WATER TECHNOLOGY & CONTROLS INC.		PO BOX 8808 106-A SOUTH WALNUT CIR	GREENSBORO NC	27419
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058262	JEM SALES, INC., INCHEMCO DIV.		430 LAVENDER DR.	ROME GA	30161
062353	SC CHEMICAL		6000 DENTON DRIVE BOX 35185	DALLAS TX	75235

ATTACHMENT E

EPA Acceptance Criteria

SUBDIVISION D

Guideline	Study Title
Series 61	Product Identity and Composition
Series 62	Analysis and Certification of Product Ingredients
Series 63	Physical and Chemical Characteristics

61 Product Identity and Composition

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.___ Name of technical material tested (include product name and trade name, if appropriate)
2.___ Name, nominal concentration, and certified limits (upper and lower) for each active ingredient and each intentionally-added inert ingredient
3.___ Name and upper certified limit for each impurity or each group of impurities present at ≥ 0.1% by weight and for certain toxicologically significant impurities (e.g., dioxins, nitrosamines) present at <0.1%
4.___ Purpose of each active ingredient and each intentionally-added inert
5.___ Chemical name from Chemical Abstracts index of Nomenclature and Chemical Abstracts Service (CAS) Registry Number for each active ingredient and, if available, for each intentionally-added inert
6.___ Molecular, structural, and empirical formulas, molecular weight or weight range, and any company assigned experimental or internal code numbers for each active ingredient
7.___ Description of each beginning material in the manufacturing process
    ____ EPA Registration Number if registered; for other beginning materials, the following:
    ____ Name and address of manufacturer or supplier
    ____ Brand name, trade name or commercial designation
    ____ Technical specifications or data sheets by which manufacturer or supplier describes composition, properties or toxicity
8.___ Description of manufacturing process
    ____ Statement of whether batch or continuous process
    ____ Relative amounts of beginning materials and order in which they are added
    ____ Description of equipment
    ____ Description of physical conditions (temperature, pressure, humidity) controlled in each step and the parameters that are maintained
    ____ Statement of whether process involves intended chemical reactions

8. (continued)

____ Flow chart with chemical equations for each intended chemical reaction
____ Duration of each step of process
____ Description of purification procedures
____ Description of measures taken to assure quality of final product

9.___ Discussion of formation of impurities based on established chemical theory addressing (1) each impurity which may be present at $\geq$ 0.1% or was found at $\geq$ 0.1% by product analyses and (2) certain toxicologically significant impurities (see #3)

61 Product Identity and Composition

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered. Items 1, 2, 3, and 5 can be satisfied for most registered products by submission of the Certified Statement of Formula Ingredients Page (EPA Form 8570-4). Items 7 and 8 can be satisfied for most technical grade active ingredients (TGAIs) by submission of a flow chart with chemical equations for each intended chemical reaction. The flow chart should include complete chemical structures and names for each reactant and product of all the reactions.

1. Name of technical material (include product name and trade name, if appropriate).
2. Description of each active and intentionally-added inert ingredient, including name, concentration, and certified limits.
3. Name and upper limit for all impurities present at $\geq$ 0.1% and those toxicologically significant impurities present at <0.1%.
4. The purpose of each active and intentionally-added inert ingredient.
5. Chemical name and Registry Number for each active and intentionally-added inert ingredient (if available).
6. Molecular, structural, and empirical formulas, molecular weight, and any experimental or internal code number for each active ingredient.
7. Description of each beginning material in the manufacturing process.
8. Description of manufacturing process.
9. Discussion of formation of impurities based on established chemical theory.

62 Analysis and Certification of Product Ingredients

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered. Use a table to present the information in items 6, 7, and 8.

Does your study meet the following acceptance criteria?

1.___ Five or more representative samples (batches in case of batch process) analyzed for each active ingredient and all impurities present at ≥ 0.1%
2.___ Degree of accountability or closure ≥ ca 98%
3.___ Analyses conducted for certain trace toxic impurities at lower than 0.1% (examples, nitrosamines in the case of products containing dinitroanilines or containing secondary or tertiary amines/alkanolamines plus nitrites; polyhalogenated dibenzodioxins and dibenzofurans) [Note that in the case of nitrosamines both fresh and stored samples must be analyzed.]
4.___ Complete and detailed description of each step in analytical method used to analyze above samples
5.___ Statement of precision and accuracy of analytical method used to analyze above samples
6.___ Identities and quantities (including mean and standard deviation) provided for each analyzed ingredient
7.___ Upper and lower certified limits proposed for each active ingredient and intentionally added inert along with explanation of how the limits were determined
8.___ Upper certified limit proposed for each impurity present at ≥ 0.1% and for certain toxicologically significant impurities at <0.1% along with explanation of how limit determined
9.___ Analytical methods to verify certified limits of each active ingredient and impurities (latter not required if exempt from requirement of tolerance or if generally recognized as safe by FDA) are fully described
10.___ Analytical methods (as discussed in #9) to verify certified limits validated as to their precision and accuracy

62 Analysis and Certification of Product Ingredients

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered.

1. Number of representative samples analyzed for all active ingredients and all impurities at $\geq$ 0.1%.
2. Degree of accountability or closure in analyses in item #1.
3. Chemical names of toxic impurities which were analyzed for levels <0.1%.
4. Brief description(s) of analytical method(s) used to measure active ingredients and impurities in items #1 and #3.
5. Statement of precision and accuracy of method(s) in item #4.
6. Chemical name and quantities observed (range, mean, standard deviation) for each ingredient (actives and impurities) analyzed in item #1.
7. Proposed upper and lower certified limits for each active ingredient and intentionally added inert with brief explanation of how limits were determined.
8. Proposed upper certified limit for each impurity present at >=0.1% and certain toxicologically significant impurities at <0.1% with brief explanation of how limits were determined.
9. Brief description of analytical method(s) used to verify certified limits (if same methods as item #4, may reference latter).
10. Statement of precision and accuracy of method(s) in item #9 (may reference item #5 if applicable).

63 Physical and Chemical Characteristics

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered.

Does your study meet the following acceptance criteria?

63-2 Color

___ Verbal description of coloration (or lack of it)

___ Any intentional coloration also reported in terms of Munsell color system

63-3 Physical State

___ Verbal description of physical state provided using terms such as "solid, granular, volatile liquid"

___ Based on visual inspection at about 20-25° C

63-4 Odor

___ Verbal description of odor (or lack of it) using terms such as "garlic-like, characteristic of aromatic compounds"

___ Observed at room temperature

63-5 Melting Point

___ Reported in C°

___ Any observed decomposition reported

63-6 Boiling Point

___ Reported in C°

___ Pressure under which B.P. measured reported

___ Any observed decomposition reported

63-7 Density, Bulk Density, Specific Gravity

___ Measured at about 20-25° C

___ Density of technical grade active ingredient reported in g/ml <u>or</u> the specific gravity of liquids reported with reference to water at 20° C. [Note: <u>Bulk</u> density of registered products may be reported in lbs/ft^3 or lbs/gallon.]

63-8 Solubility

___ Determined in distilled water and representative polar and non-polar solvents, including those used in formulations and analytical methods for the pesticide

___ Measured at about 20-25° C

___ Reported in g/100 ml (other units like ppm acceptable if sparingly soluble)

63-9 Vapor Pressure

___ Measured at 25° C (or calculated by extrapolation from measurements made at higher temperature if pressure too low to measure at 25° C)

___ Experimental procedure described

___ Reported in mm Hg (torr) or other conventional units

63-10 Dissociation Constant

___ Experimental method described

___ Temperature of measurement specified (preferably about 20 - 25° C)

63-11 Octanol/water Partition Coefficient

___ Measured at about 20-25° C

___ Experimentally determined and description of procedure provided (preferred method-45 Fed. Register 77350)

___ Data supporting reported value provided

63-12 pH

___ Measured at about 20 - 25° C

___ Measured following dilution or dispersion in distilled water

63-13 Stability

___ Sensitivity to metal ions and metal determined

___ Stability at normal and elevated temperatures

___ Sensitivity to sunlight determined

63 Physical and Chemical Characteristics

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered.

1. Description of color.
2. Description of physical state.
3. Description of odor.
4. Indication of melting point (in C°).
5. Indication of boiling point (in C°).
6. Indication of density, bulk density, and specific gravity.
7. Indication of solubility.
8. Indication of vapor pressure.
9. Indication of dissociation constant.
10. Indication of octanol/water partition coefficient.
11. Indication of PH.
12. Description of stability.

SUBDIVISION F

Guideline	Study Title
81-1	Acute Oral Toxicity in the Rat
81-2	Acute Dermal Toxicity in the Rat, Rabbit or Guinea Pig
81-3	Acute Inhalation Toxicity in the Rat
81-4	Primary Eye Irritation in the Rabbit
81-5	Primary Dermal Irritation Study
81-6	Dermal Sensitization in the Guinea Pig
81-7	Acute Neurotoxicity in the Hen

81-1 Acute Oral Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ At least 5 young adult rats/sex/group
3.____ Dosing, single oral may be administered over 24 hrs.
4.*____ Vehicle control if other than water.
5.____ Doses tested, sufficient to determine a toxicity category or a limit dose (5000 mg/kg).
6.____ Individual observations at least once a day.
7.____ Observation period to last at least 14 days, or until all test animals appear normal whichever is longer.
8.____ Individual daily observations.
9.____ Individual body weights.
10.____ Gross necropsy on all animals.

Criteria marked with a * are supplemental and may not be required for every study.

81-1 Acute Oral Toxicity in the Rat

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g. solid, liquid, percent AI in technical, end-use product, etc.
2. The number of animals/dose/sex tested.
3. Dosing route and regimen.
4. Vehicle used
5. Doses tested and results
6. Individual observations on day of dosing and for at least 14 days.
7. Summarization of body weights
8. Summarization of gross necropsy
9. Significance of changes from the Acceptance Criteria

81-2 Acute Dermal toxicity in the Rat, Rabbit or Guinea Pig

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1._____ Identify material tested (technical, end-use product, etc)
2._____ At least 5 animals/sex/group
3.*_____ Rats 200-300 gm, rabbits 2.0-3.0 kg or guinea pigs 350-450 gm.
4._____ Dosing, single dermal.
5._____ Dosing duration at least 24 hours.
6.*_____ Vehicle control, only if toxicity of vehicle is unknown.
7._____ Doses tested, sufficient to determine a toxicity category or a limit dose (2000 mg/kg).
8._____ Application site clipped or shaved at least 24 hours before dosing
9._____ Application site at least 10% of body surface area.
10._____ Application site covered with a porous nonirritating cover to retain test material and to prevent ingestion.
11._____ Individual observations at least once a day.
12._____ Observation period to last at least 14 days.
13._____ Individual body weights.
14._____ Gross necropsy on all animals.

Criteria marked with a * are supplemental and may not be required for every study.

81-2 Acute Dermal Toxicity in the Rat, Rabbit or Guinea Pig

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. The number of animals/sex/dose
3. Weight range of animals
4. Verification of single, dermal exposure
5. Duration of dermal exposure
6. Statement of vehicle control
7. Doses tested and results
8. Preparation of application site
9. Area of application site (percent body surface)
10. Occlusion of test material on application site
11. Individual observations on day of dosing and for at least 14 days or until all animals appear normal (whichever is longer).
12. Summarization of body weights
13. Summarization of gross necropsy
14. Significance of changes from Acceptance Criteria

81-3 Acute Inhalation Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Product is a gas, a solid which may produce a significant vapor hazard based on toxicity and expected use or contains particles of inhalable size for man (aerodynamic diameter 15 um or less).
3.____ At least 5 young adult rats/sex/group
4.____ Dosing, at least 4 hours by inhalation.
5.____ Chamber air flow dynamic, at least 10 air changes/hour, at least 19% oxygen content.
6.____ Chamber temperature, 22° C (±2), relative humidity 40-60%.
7.____ Monitor rate of air flow
8.____ Monitor actual concentrations of test material in breathing zone.
9.____ Monitor aerodynamic particle size for aerosols.
10.____ Doses tested, sufficient to determine a toxicity category or a limit dose (5 mg/L actual concentration of respirable substance).
11.____ Individual observations at least once a day.
12.____ Observation period to last at least 14 days.
13.____ Individual body weights.
14.____ Gross necropsy on all animals.

81-3 Acute Inhalation Toxicity in the Rat

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. Statement of the inhalability of test substance
3. The number of animals/sex/dose
4. Duration of inhalation exposure
5. Number of chamber air changes/hour and the percent oxygen content of chamber air
6. Ranges for chamber air temperature and relative humidity
7. Air flow rate
8. Analytical concentrations of test material in breathing zone
9. Results of aerosol particle-size determination
10. Doses tested (or limit dose of 5mg/L or highest attainable)
11. Individual observations on day of dosing and for at least 14 days.
12. Summarization of body weights
13. Summarization of gross necropsy
14. Significance of changes from Acceptance Criteria

81-4 Primary Eye Irritation in the Rabbit

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Study not required if material is corrosive, causes severe dermal irritation or has a pH of $\leq$ 2 or $\geq$ 11.5.
3.____ 6 adult rabbits
4.____ Dosing, instillation into the conjunctival sac of one eye per animal.
5.____ Dose, 0.1 ml if a liquid; 0.1 ml or not more than 100 mg if a solid, paste or particulate substance.
6.____ Solid or granular test material ground to a fine dust.
7.____ Eyes not washed for at least 24 hours.
8.____ Eyes examined and graded for irritation before dosing and at 1, 24, 48 and 72 hr, then daily until eyes are normal or 21 days (whichever is shorter).
9.*___ individual daily observations.

Criteria marked with a * are supplemental and may not be required for every study.

81-4 Primary Eye Irritation in the Rabbit

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive, cause severe dermal irritation or has a pH of <2 or >11.5
3. Number of adult rabbits tested
4. State method of dosing, i.e., instillation into the conjunctival sac of one eye per animal
5. Dose administered
6. Note whether solid or granular test material has been ground to a fine dust
7. State whether eyes were washed and at what time post instillation (not less than 24 hours)
8. State whether eyes were examined and graded for irritation before dosing and at what periods after dosing
9. Individual daily observations afterwards, until eyes are normal or for 21 days
10. Significance of changes from Acceptance Criteria

81-5 Primary Dermal Irritation Study

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1._____ Identify material tested (technical, end-use product, etc)
2._____ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3._____ 6 adult animals.
4._____ Dosing, single dermal.
5._____ Dosing duration 4 hours.
6._____ Application site shaved or clipped at least 24 hours prior to dosing
7._____ Application site approximately 6 cm.
8._____ Application site covered with a gauze patch held in place with nonirritating tape
9._____ Material removed, washed with water, without trauma to application site
10._____ Application site examined and graded for irritation at 1, 24, 48 and 72 hr, then daily until normal or 14 days (whichever is shorter).
11.*_____ Individual daily observations.

Criteria marked with a * are supplemental and may not be required for every study.

81-5 Primary Dermal Irritation Study

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive, has a pH <2 or >11.5, or has a dermal LD 50 <200 mg/kg
3. Number of adult animals tested
4. Amount applied
5. Duration of dermal exposure
6. Preparation of application site (shaved or clipped at specified time before dosing)
7. Area of application site
8. Method for occlusion of application site
9. Note removal of test material and if skin was washed with water
10. State times post application when site was graded for irritation
11. Individual observations for day of dosing and individual daily observations thereafter
12. Significance of changes from Acceptance Criteria.

81-6 Dermal Sensitization in the Guinea Pig

ACCEPTANCE CRITERIA

dose your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3.____ One of the following methods is utilized;
- _____ Freund's complete adjuvant test
- _____ Guinea pig maximization test
- _____ Split adjuvant technique
- _____ Buehler test
- _____ Open epicutaneous test
- _____ Mauer optimization test
- _____ Footpad technique in guinea pig

4.____ Complete description of test
5.*___ Reference for test.
6.____ Test followed essentially as described in reference document.
7.____ Positive control included (may provide historical data conducted within the last 6 months)

Criteria marked with a * are supplemental and may not be required for every study.

81-6 Dermal Sensitization in the Guinea Pig

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive or has pH <2 or >11.5.
3. State specific method utilized
4. Complete description of specific method
5. Reference for the specific method employed
6. Note adherence of the protocol to that in the reference for the specific method utilized
7. State the positive control tested
8. Significance of changes from Acceptance Criteria

81-7 Acute Neurotoxicity in the Hen

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Study performed on an organophosphate cholinesterase inhibiting compound.
2.____ Technical form of the active ingredient tested.
3.*____ Positive control utilized.
4.____ Species utilized, domestic laying hen 8-14 months of age.
5.____ Dosing oral by gavage or capsule (dermal or inhalation may be used).
6.____ An acute oral LD is determined.
7.____ Dose tested equal to an acute oral LD or a limit test of 5000 mg/kg.
8.*____ Dosed animals may be protected with atropine and/or 2-PAM.
9.____ Sufficient test animals so that at least 6 survive.
10.____ Negative (vehicle) control group of at least 6 hens
11.*____ Positive control of at least 4 hens. (if used)
12.____ Test dose repeated if no signs of delayed neurotoxicity observed by 21 days after dosing.
13.____ Observation period 21 days after each dose.
14.____ Individual daily observations.
15.____ Individual body weights.
16.____ Individual necropsy not required.
17.____ Histopathology performed on all animals. Tissue to be fixed in sin preferably using whole animal perfusion techniques. At least three sections of each of the following tissues:
_____brain, including medulla oblongata
_____spinal cord; upper cervical, mid-thoracic and lumbro-sacral regions
_____tibial nerve; proximal regions and branches
_____sciatic nerve

Criteria marked with a * are supplemental and may not be required for every study.

ATTACHMENT F

Cost Share and Data Compensation Forms

United States Environmental Protection Agency
Washington, DC 20460

CERTIFICATION WITH RESPECT TO DATA COMPENSATION REQUIREMENTS

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 3-31-96

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, DC 20460; and to the Office of Management and Budget, Paperwork Reduction Project (2070-0106), Washington, DC 20503.

Please fill in blanks below.

Company Name	Company Number
Chemical Name	EPA Chemical Number

I Certify that:

1. For each study cited in support of registration or reregistration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) that is an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter to cite that study.

2. That for each study cited in support of registration or reregistration under FIFRA that is NOT an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter, or I have notified in writing the company(ies) that submitted data I have cited and have offered to: (a) Pay compensation for those data in accordance with sections 3(c)(1)(D) and 3(c)(2)(D) of FIFRA; and (b) Commence negotiation to determine which data are subject to the compensation requirement of FIFRA and the amount of compensation due, if any. The companies I have notified are: (check one)

   [ ] All companies on the data submitters' list for the active ingredient listed on this form (Cite-All Method or Cite-All Option under the Selective Method). (Also sign the General Offer to Pay below.)

   [ ] The companies who have submitted the studies listed on the back of this form or attached sheets, or indicated on the attached "Requirements Status and Registrants' Response Form."

3. That I have previously complied with section 3(c)(1)(D) of FIFRA for the studies I have cited in support of registration or reregistration under FIFRA.

Signature	Date
Name and Title (Please Type or Print)	

GENERAL OFFER TO PAY: I hereby offer and agree to pay compensation to other persons, with regard to the registration or reregistration of my products, to the extent required by FIFRA sections 3(c)(1)(D) and 3(c)(2)(D)

Signature	Date
Name and Title (Please Type or Print)	

United States Environmental Protection Agency
Washington, DC 20460

CERTIFICATION OF OFFER TO COST SHARE IN THE DEVELOPMENT OF DATA

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 3-31-96

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, DC 20460; and to the Office of Management and Budget, Paperwork Reduction Project (2070-0106), Washington, DC 20503.

Please fill in blanks below.

Company Name	Company Number
Chemical Name	EPA Chemical Number

I Certify that:

My company is willing to develp and submit the data required by EPA under the authority of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), if necessary. However, my company would prefer to enter into an agreement with one or more registrants to develop jointly or share in the cost of developing data.

My firm has offered in writing to enter into such an agreement. That offer was irrevocable and included an offer to be bound by arbitration decision under section 3(c)(2)(B)(iii) of FIFRA if final agreement on all terms could not be reached otherwise. This offer was made to the following firm(s) on the following date(s):

Name of Firm(s)	Date of Offer

Certification:

I certify that I am duly authorized to represent the company name above, and that the statements that I have made on this form and all attachments therein are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature of Company's Authorized Representative	Date
Name and Title (Please Type or Print)	

Confidential Business Information: Does Not Contain National Security Information (E.O. 12065)

Form Approved OMB No 2070-0060 Approval Expires [illegible]

EPA

United States Environmental Protection Agency
Office of Pesticide Programs (TS-767)
Washington, DC 20460

Confidential Statement of Formula

A. ☐ Basic Formulation ☐ Alternate Formulation

B. Page of

See Instructions on Back

1. Name and Address of Applicant/Registrant *(Include ZIP Code)*

2. Name and Address of Producer *(Include ZIP Code)*

3. Product Name

4. Registration No./File Symbol

5. EPA Product Mgr./Team No

6. Country Where Formulated

7. Pounds/Gal or Bulk Density

8. pH

9. Flash Point/Flame Extension

EPA USE ONLY	10. Components in Formulation *(List as actually introduced into the formulation. Give commonly accepted chemical name, trade name, and CAS number.)*	11. Supplier Name & Address	12. EPA Reg. No	13. Each Component in Formulation a. Amount	b. % by Weight	14. Certified Limits % by Weight a. Upper Limit	b. Lower Limit	15. Purpose in Formulation

16. Typed Name of Approving Official

17. Total Weight 100%

Signature of Approving Official

19. Title

20. Phone No. *(Include Area Code)*

21. Date

Previous editions are obsolete.

White - EPA File Copy (Original) Yellow Applicant copy

Instructions and Paperwork Reduction Act Notice

Please Read Carefully Before Completing This Form

Paperwork Reduction Act Notice

The public reporting burden for this collection of information is estimated to average 1.0 hour per response, including familiarization with the form, organizing the necessary information, and completing the form. Send any comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460; and to: Office of Management and Budget, Paperwork Reduction Project (2070-0060), Washington, DC 20503.

Instructions

The complete chemical composition of each pesticide must be known so it can be evaluated for registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.

This form is designed for reporting the ingredients used in the formulation of a pesticide product. It must be completed and submitted with each application for new registration of a pesticide and application for amended registration if the revision involves a formula change.

Block A: Check the appropriate action for which you are submitting the form.

Block B: Number all pages consecutively. Enter on each page the total number of pages submitted. If more than one page is required, number them "1 of 2," "2 of 3," "3 of 3," etc.

1. Name and Address of Applicant/Registrant: Enter the name and address of your firm or authorized agent.

2. Name and Address of Producer: Specify the name of the producer and the address of the site where this product will be produced.

3. Product Name: Specify the complete name of this pesticide product as it will appear on the label. This name must be the same as that which appears on the application form.

4. Registration Number/File Symbol: Enter the EPA registration number or file symbol, if known, for this product.

5. EPA Product Manager/Team Number: Enter the name and team number of the EPA Product Manager assigned to this product, if known.

6. Country Where Formulated: Specify the country where this product is formulated

7. Weight per Gallon/Bulk Density: For a liquid product specify pounds per gallon of formulated product. For a powder or granular product, enter the bulk density of formulated product (as used). Enter weight per unit if the product is produced as a tablet, briquette, or other uniformly shaped product.

8. pH: Enter the pH of aqueous formulations and products which are either dispersible or soluble in water. If not applicable enter "N/A."

9. Flash Point/Flame Extension: Specify the flash point as determined by the regulations for pressurized products and/or products known or suspected to burn. State the results of the flame extension test for pressurized products including positive flashbacks.

10. Components in Formulation: List as actually introduced into the formulation. For each component in your formulation, provide the product name, commonly accepted chemical, the trade name, and the Chemical Abstract (CAS) number for each identifiable ingredient present in that product. CAS numbers may be obtained from the Chemical Abstract Service of the American Chemical Society, Columbus, OH. For each original and alternate source of each active ingredient in the product, indicate the percent purity of the manufacturing use product, technical product, or other source of active ingredient. If one or more components will be obtained from more than one source, enter all alternate sources and all alternate EPA Reg Nos. in blocks 10, 11, and 12 or on a separate attachment.

Attention: *Special Instructions for Columns 10, 13, and 14)* Any impurities greater than or equal to 0.1% (or less than 01% if the impurity is toxicologically significant) which are associated with the active ingredient(s) of a technical grade (manufacturing or reformulating use) product or an end use product produced by an integrated formulations system should also be listed in column 10, and the corresponding amount, percent by weight, and upper certified limits in columns 13 and 14.

11. Supplier Name and Address: Provide the name and address of the supplier of each component in the formulation. If one or more components will be obtained from more than one source, specify the names and addresses of the alternate sources also.

12. EPA Reg. No.: Specify the EPA registration number, if any, for each active ingredient in the formulation. If an unregistered active ingredient is used, have the suppliers submit the chemical specifications, as well as any data required under 40 CFR Part 158.

13. Each Component in Formulation:

a. Amount: Specify the quantity of each component as actually introduced into the formulation. Units (e.g., pounds, grams, gallons, liters) should be expressed as used in the formulation. If the quantity is a liquid measure, enter the volume and the specific gravity or the pounds per gallon of the component.

b. Percent by Weight: Specify the weight percentage of each component in your formulated product. Check Your Calculations. Note that the weight percentage in many cases will not agree with that shown on the label ingredient statement where the weight percentage of the pure active ingredient(s) must be declared.

Attention: Producers of Microbial Products: *(Special Instructions for Column 13b.)* Please state the percent of active ingredient in British International Units (BIUs), International Toxic Units (ITUs), Polyhedral Inclusion Bodies (PIBs) (viruses), or Colony Forming Units (CFUs) (fungi), as appropriate, and include an equivalent statement of active ingredient per milligram, ounce, pound, etc., of product (e.g., a 50% active Bacillus thuringiensis product may have an equivalency value of 1.59 million Aedis aegypti ITU per pound of product).

14. Certified Limits: These limits are to be set based on representative sampling and chemical analysis (i.e., quality control) of the product

a. Upper Limit: Specify the maximum percentage of each active ingredient, intentionally added inert ingredient, and any impurities greater than 0.1%, to be permitted in the product.

b. Lower Limit: Specify the minimum percentage of each active ingredient and intentionally added inert ingredient to be permitted in the product.

15. Purpose in Formulation: Specify the purpose of each ingredient both active and inert. (For example, disinfectant, herbicide, synergist, surfactant, defoamer, sequestrant, etc.) If space is insufficient, abbreviate.

16. Typed Name of Approving Official: Complete this item for identification of individual to be contacted if necessary.

17. Total Weight: Specify the total weight of the batch (column 13a.)

18.-21.: Complete these items for identification of individual to be contacted if necessary.

Form Approved. OMB No. 2070-0060. Approval expires 11/30/93

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGISTRATION DIVISION (TS-767)
WASHINGTON, D.C. 20460

DATA REFERENCE SHEET

(See instructions on the back of the last page before completing.)

1. PAGE OF

2. EPA REGISTRATION NO./FILE SYMBOL

3. APPLICANT'S NAME AND ADDRESS

4. PRODUCT NAME

5. PRODUCT MANAGER

6. TO ACCOMPANY APPLICATION FOR REGISTRATION DATED:

7. NAME OF STUDY	SOURCE OF STUDY					i. ACCESSION NUMBER *(if known)*
	a. APPLICANT CONDUCTED STUDY *(mark "X")*	b. OBTAINED FROM EPA *(mark "X")*	c. OBTAINED FROM ANOTHER FIRM OR SOURCE *(give name and address)*	d. OBTAINED FROM PUBLIC LITERATURE *(give reference)*	e. OTHER *(explain)*	

If you marked "X" in this column, do you wish your name placed on the Data Submitters List? ☐ YES ☐ NO

EPA Form 8570-20 (Rev. 1-91) APPLICANT-RETAIN THE LAST COPY EPA COPY

INSTRUCTIONS

PLEASE READ CAREFULLY BEFORE COMPLETING THIS FORM

GENERAL

This form will be used to process an application for registration as set forth in the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, Sections 3(c)(5) and 3(c)(7). In addition to this form, the following material must accompany an Application for Registration (EPA Form 8570-1).

1. A Confidential Statement of Formula (EPA Form 8570-4) must be submitted whenever the current amendment relates to the chemistry or formulation of the product.

2. Select and complete the appropriate OFFER TO PAY STATEMENT, as listed below.

   A. Cite-all method of compensation.

   B. Combined cite-all and alternate method of compensation.

   C. Alternate method of compensation.

If you select an Offer to Pay Statement which requires the submission of data, all data submitted in support of this application must be submitted in triplicate *(3 individual copies)*. In order to facilitate review, each type of data submitted must be; bound separately; all information listed in block 7 must be clearly identified on the front cover; and the date of submission. Additional information for the preparation of data for submission in support of registration applications is available by writing to the Product Manager assigned to your Product, Registration Division, at the address specified at the top of the form.

Any data for which a claim of confidentiality is asserted must be submitted bound separately from non-confidential information, and clearly marked as such.

The EPA and ACKNOWLEDGEMENT *(first two)* copies should be submitted. The Applicant may retain the APPLICANT *(last)* copy.

SPECIFIC

1. **Number all pages consecutively:** Enter on each page the total number of pages being submitted. If more than one page is required, number them "1 of 2," "1 of 3," etc.

2. **Registration No./File Symbol:** Insert the registration number or the symbol assigned to this product, if known.

3. **Name and Address of Applicant:** Enter your name and address, or the name and address of your duly authorized agent if you do not reside in the United States.

4. **Product Name:** The Product Name should be the same as the one appearing on the application form.

5. **Product Manager:** Enter the name of the Product Manager assigned to this product.

6. **Application Date:** Enter the date of the application to which this form applies.

7. **Name of the Studies:** A listing of specific studies or data being submitted with this application:

   7a. If this study was conducted by the Applicant, mark "X" in this column. Also, mark "X" in the appropriate box *("yes" or "no")* at the bottom relating to inclusion on the Pesticide Data Submitters List

   7b. If this study was obtained from EPA data reference files, mark "X" in this column.

   7c. If this study was obtained from another firm or source, give complete name and address *(including zip code)*.

   7d. If this was obtained from public literature, give its reference. Give sufficient information so it may be located if necessary.

   7e. Any source of studies may be explained in this column.

   7f. Specify Accession Number(s) assigned to studies in EPA data files *(if known)*.

APPLICANT COPY

APPENDIX G

Product Specific Data Call-In

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 7 1993

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

DATA CALL-IN NOTICE

CERTIFIED MAIL

Dear Sir or Madam:

This Notice requires you and other registrants of pesticide products containing the active ingredient identified in Attachment A of this Notice, the Data Call-In Chemical Status Sheet, to submit certain product specific data as noted herein to the U.S. Environmental Protection Agency (EPA, the Agency). These data are necessary to maintain the continued registration of your product(s) containing this active ingredient. Within 90 days after you receive this Notice you must respond as set forth in Section III below. Your response must state:

1. How you will comply with the requirements set forth in this Notice and its Attachments A through G; or

2. Why you believe you are exempt from the requirements listed in this Notice and in Attachment C, Requirements Status and Registrant's Response Form, (see section III-B); or

3. Why you believe EPA should not require your submission of product specific data in the manner specified by this Notice (see section III-D).

If you do not respond to this Notice, or if you do not satisfy EPA that you will comply with its requirements or should be exempt or excused from doing so, then the registration of your product(s) subject to this Notice will be subject to suspension. We have provided a list of all of your products subject to this Notice in Attachment B, Data Call-In Response Form, as well as a list of all registrants who were sent this Notice (Attachment F).

The authority for this Notice is section 3(c)(2)(B) of the Federal Insecticide, Fungicide and Rodenticide Act as amended (FIFRA), 7 U.S.C. section 136a(c)(2)(B). Collection of this information is authorized under the Paperwork Reduction Act by OMB Approval No. 2070-0107 (expiration date 12-31-92).

This Notice is divided into six sections and seven Attachments. The Notice itself contains information and instructions applicable to all Data Call-In Notices. The Attachments contain specific chemical information and instructions. The six sections of the Notice are:

Section I - Why You Are Receiving This Notice
Section II - Data Required By This Notice
Section III - Compliance With Requirements Of This Notice
Section IV - Consequences Of Failure To Comply With This Notice
Section V - Registrants' Obligation To Report Possible Unreasonable Adverse Effects
Section VI - Inquiries And Responses To This Notice

The Attachments to this Notice are:

A - Data Call-In Chemical Status Sheet
B - Data Call-In Response Form
C - Requirements Status and Registrant's Response Form
D - EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration
E - List of Registrants(s) sent this DCI
F - EPA Acceptance Criteria
G - Cost Share and Data Compensation Forms

SECTION I. WHY YOU ARE RECEIVING THIS NOTICE

The Agency has reviewed existing data for this active ingredient and reevaluated the data needed to support continued registration of the subject active ingredient. The Agency has concluded that the only additional data necessary are product specific data. No additional generic data requirements are being imposed. You have been sent this Notice because you have product(s) containing the subject active ingredient.

SECTION II. DATA REQUIRED BY THIS NOTICE

II-A. DATA REQUIRED

The product specific data required by this Notice are specified in Attachment C, Requirements Status and Registrant's Response Form. Depending on the results of the studies required in this Notice, additional testing may be required.

II-B. SCHEDULE FOR SUBMISSION OF DATA

You are required to submit the data or otherwise satisfy the data requirements specified in Attachment C, Requirements Status and Registrant's Response Form, within the timeframes provided.

II-C. TESTING PROTOCOL

All studies required under this Notice must be conducted in accordance with test standards outlined in the Pesticide Assessment Guidelines for those studies for which guidelines have been established.

These EPA Guidelines are available from the National Technical Information Service (NTIS), Attn: Order Desk, 5285 Port Royal Road, Springfield, Va 22161 (tel: 703-487-4650).

Protocols approved by the Organization for Economic Cooperation and Development (OECD) are also acceptable if the OECD-recommended test standards conform to those specified in the Pesticide Data Requirements regulation (40 CFR § 158.70). When using the OECD protocols, they should be modified as appropriate so that the data generated by the study will satisfy the requirements of 40 CFR § 158. Normally, the Agency will not extend deadlines for complying with data requirements when the studies were not conducted in accordance with acceptable standards. The OECD protocols are available from OECD, 1750 Pennsylvania Avenue N.W., Washington, D.C. 20006.

All new studies and proposed protocols submitted in response to this Data Call-In Notice must be in accordance with Good Laboratory Practices [40 CFR Part 160.3(a)(6)].

II-D. REGISTRANTS RECEIVING PREVIOUS SECTION 3(c)(2)(B) NOTICES ISSUED BY THE AGENCY

Unless otherwise noted herein, this Data Call-In does not in any way supersede or change the requirements of any previous Data Call-In(s), or any other agreements entered into with the Agency pertaining to such prior Notice. Registrants must comply with the requirements of all Notices to avoid issuance of a Notice of Intent to Suspend their affected products.

SECTION III. COMPLIANCE WITH REQUIREMENTS OF THIS NOTICE

III-A. SCHEDULE FOR RESPONDING TO THE AGENCY

The appropriate responses initially required by this Notice for product specific data must be submitted to the Agency within 90 days after your receipt of this Notice. Failure to adequately respond to this Notice within 90 days of your receipt will be a basis for issuing a Notice of Intent to Suspend (NOIS) affecting your products. This and other bases for issuance of NOIS due to failure to comply with this Notice are presented in Section IV-A and IV-B.

III-B. OPTIONS FOR RESPONDING TO THE AGENCY

The options for responding to this Notice for product specific data are: (a) voluntary cancellation, (b) agree to satisfy the product specific data requirements imposed by this Notice or (c) request a data waiver(s).

A discussion of how to respond if you choose the Voluntary Cancellation option is presented below. A discussion of the various options available for satisfying the product specific data requirements of this Notice is contained in Section III-C. A discussion of options relating to requests for data waivers is contained in Section III-D.

There are two forms that accompany this Notice of which, depending upon your response, one or both must be used in your response to the Agency. These forms are the Data-Call-In Response Form, and the Requirements Status and Registrant's Response Form, Attachment B and Attachment C. The Data Call-In Response Form must be submitted as part of every response to this Notice. In addition, one copy of the Requirements Status and Registrant's Response Form must be submitted for each product listed on the Data Call-In Response Form unless the voluntary cancellation option is selected or unless the product is identical to another (refer to the instructions for completing the Data Call-In Response Form in Attachment B). Please note that the company's authorized representative is required to sign the first page of the Data Call-In Response Form and Requirements Status and Registrant's Response Form (if this form is required) and initial any subsequent pages. The forms contain separate detailed instructions on the response options. Do not alter the printed material. If you have questions or need assistance in preparing your response, call or write the contact person(s) identified in Attachment A.

1. Voluntary Cancellation - You may avoid the requirements of this Notice by requesting voluntary cancellation of your product(s) containing the active ingredient that is the subject of this Notice. If you wish to voluntarily cancel your product, you must submit a completed Data Call-In Response Form, indicating your election of this option. Voluntary cancellation is item number 5 on the Data Call-In Response Form. If you choose this option, this is the only form that you are required to complete.

If you choose to voluntarily cancel your product, further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provisions of this Notice which are contained in Section IV-C.

2. Satisfying the Product Specific Data Requirements of this Notice. There are various options available to satisfy the product specific data requirements of this Notice. These options are discussed in Section III-C of this Notice and comprise options 1 through 6 on the Requirements Status and Registrant's Response Form and item numbers 7a and 7b on the Data Call-In Response Form. Deletion of a use(s) and the low volume/minor use option are not valid options for fulfilling product specific data requirements.

3. Request for Product Specific Data Waivers. Waivers for product specific data are discussed in Section III-D of this Notice and are covered by option 7 on the Requirements Status and Registrant's Response Form. If you choose this option, you must submit both forms as well as any other information/data pertaining to the option chosen to address the data requirement.

III-C SATISFYING THE DATA REQUIREMENTS OF THIS NOTICE

If you acknowledge on the Data Call-In Response Form that you agree to satisfy the product specific data requirements (i.e. you select option 7a or 7b), then you must select one of the six options on the Requirements Status and Registrant's Response Form related to data production for each data requirement. Your option selection should be entered under item number 9, "Registrant Response." The six options related to data production are the first six options discussed under item 9 in the instructions for completing the Requirements Status and Registrant's Response Form. These six options are listed immediately below with information in parentheses to guide registrants to additional instructions provided in this Section. The options are:

(1) I will generate and submit data within the specified timeframe (Developing Data)
(2) I have entered into an agreement with one or more registrants to develop data jointly (Cost Sharing)
(3) I have made offers to cost-share (Offers to Cost Share)
(4) I am submitting an existing study that has not been submitted previously to the Agency by anyone (Submitting an Existing Study)
(5) I am submitting or citing data to upgrade a study classified by EPA as partially acceptable and upgradeable (Upgrading a Study)
(6) I am citing an existing study that EPA has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (Citing an Existing Study)

Option 1. Developing Data -- If you choose to develop the required data it must be in conformance with Agency deadlines and with other Agency requirements as referenced herein and in the attachments. All data generated and submitted must comply with the Good Laboratory Practice (GLP) rule (40 CFR Part 160), be conducted according to the Pesticide Assessment Guidelines (PAG), and be in conformance with the requirements of PR Notice 86-5.

The time frames in the Requirements Status and Registrant's Response Form are the time frames that the Agency is allowing for the submission of completed study reports. The noted deadlines run from the date of the receipt of this Notice by the registrant. If the data are not submitted by the deadline, each registrant is subject to receipt of a Notice of Intent to Suspend the affected registration(s).

If you cannot submit the data/reports to the Agency in the time required by this Notice and intend to seek additional time to meet the requirements(s), you must submit a request to the Agency which includes: (1) a detailed description of the expected difficulty and (2) a proposed schedule including alternative dates for meeting such requirements on a step-by-step basis. You must explain any technical or laboratory difficulties and provide documentation from the laboratory performing the testing. While EPA is considering your request, the original deadline remains. The Agency will respond to your request in writing. If EPA does not grant your request, the original deadline remains. Normally, extensions can be requested only in cases of extraordinary testing problems beyond the expectation or control of the registrant. Extensions will not be given in submitting the 90-day responses. Extensions will not be considered if the request for extension is not made in a timely fashion; in no event shall an extension request be considered if it is submitted at or after the lapse of the subject deadline.

Option 2. Agree to Share in Cost to Develop Data --Registrants may only choose this option for acute toxicity data and certain efficacy data and only if EPA has indicated in the attached data tables that your product and at least one other product are similar for purposes of depending on the same data. If this is the case, data may be generated for just one of the products in the group. The registration number of the product for which data will be submitted must be noted in the agreement to cost share by the registrant selecting this option. If you choose to enter into an agreement to share in the cost of producing the required data but will not be submitting the data yourself, you must provide the name of the registrant who will be submitting the data. You must also provide EPA with documentary evidence that an agreement has been formed. Such evidence may be your letter offering to join in an agreement and the other registrant's acceptance of your offer, or a written statement by the parties that an agreement exists. The agreement to produce the data need not specify all of the terms of the final arrangement between the parties or the mechanism to resolve the terms. Section 3(c)(2)(B) provides that if the parties cannot resolve the terms of the agreement they may resolve their differences through binding arbitration.

Option 3. Offer to Share in the Cost of Data Development -- This option only applies to acute toxicity and certain efficacy data as described in option 2 above. If you have made an offer to pay in an attempt to enter into an agreement or amend an existing agreement to meet the requirements of this Notice and have been

unsuccessful, you may request EPA (by selecting this option) to exercise its discretion not to suspend your registration(s), although you do not comply with the data submission requirements of this Notice. EPA has determined that as a general policy, absent other relevant considerations, it will not suspend the registration of a product of a registrant who has in good faith sought and continues to seek to enter into a joint data development/cost sharing program, but the other registrant(s) developing the data has refused to accept your offer. To qualify for this option, you must submit documentation to the Agency proving that you have made an offer to another registrant (who has an obligation to submit data) to share in the burden of developing that data. You must also submit to the Agency a completed EPA Form 8570-32, Certification of Offer to Cost Share in the Development of Data, Attachment G. In addition, you must demonstrate that the other registrant to whom the offer was made has not accepted your offer to enter into a costsharing agreement by including a copy of your offer and proof of the other registrant's receipt of that offer (such as a certified mail receipt). Your offer must, in addition to anything else, offer to share in the burden of producing the data upon terms to be agreed or failing agreement to be bound by binding arbitration as provided by FIFRA section 3(c)(2)(B)(iii) and must not qualify this offer. The other registrant must also inform EPA of its election of an option to develop and submit the data required by this Notice by submitting a Data Call-In Response Form and a Requirements Status and Registrant's Response Form committing to develop and submit the data required by this Notice.

In order for you to avoid suspension under this option, you may not withdraw your offer to share in the burdens of developing the data. In addition, the other registrant must fulfill its commitment to develop and submit the data as required by this Notice. If the other registrant fails to develop the data or for some other reason is subject to suspension, your registration as well as that of the other registrant will normally be subject to initiation of suspension proceedings, unless you commit to submit, and do submit the required data in the specified time frame. In such cases, the Agency generally will not grant a time extension for submitting the data.

Option 4. Submitting an Existing Study -- If you choose to submit an existing study in response to this Notice, you must determine that the study satisfies the requirements imposed by this Notice. You may only submit a study that has not been previously submitted to the Agency or previously cited by anyone. Existing studies are studies which predate issuance of this Notice. Do not use this option if you are submitting data to upgrade a study. (See Option 5).

You should be aware that if the Agency determines that the study is not acceptable, the Agency will require you to comply with this Notice, normally without an extension of the required date of submission. The Agency may determine at any time that a study is not valid and needs to be repeated.

To meet the requirements of the DCI Notice for submitting an existing study, <u>all of the following three criteria must be clearly met</u>:

a. You must certify at the time that the existing study is submitted that the raw data and specimens from the study are available for audit and review and you must identify where they are available. This must be done in accordance with the requirements of the Good Laboratory Practice (GLP) regulation, 40 CFR Part 160. As stated in 40 CFR 160.3(j) " '[r]aw data' means any laboratory worksheets, records, memoranda, notes, or exact copies thereof, that are the result of original observations and activities of a study and are necessary for the reconstruction and evaluation of the report of that study. In the event that exact transcripts of raw data have been prepared (e.g., tapes which have been transcribed verbatim, dated, and verified accurate by signature), the exact copy or exact transcript may be substituted for the original source as raw data. 'Raw data' may include photographs, microfilm or microfiche copies, computer printouts, magnetic media, including dictated observations, and recorded data from automated instruments." The term "specimens", according to 40 CFR 160.3(k), means "any material derived from a test system for examination or analysis."

b. Health and safety studies completed after May 1984 must also contain all GLP-required quality assurance and quality control information, pursuant to the requirements of 40 CFR Part 160. Registrants must also certify at the time of submitting the existing study that such GLP information is available for post-May 1984 studies by including an appropriate statement on or attached to the study signed by an authorized official or representative of the registrant.

c. You must certify that each study fulfills the acceptance criteria for the Guideline relevant to the study provided in the FIFRA Accelerated Reregistration Phase 3 Technical Guidance and that the study has been conducted according to the Pesticide Assessment Guidelines (PAG) or meets the purpose of the PAG (both available from NTIS). A study not conducted according to the PAG may be submitted to the Agency for consideration if the registrant believes that the study clearly meets the purpose of the PAG. The registrant is referred to 40 CFR 158.70 which states the Agency's policy regarding acceptable protocols. If you wish to submit the study, you must, in addition to certifying that the purposes of the PAG are met by the study, clearly articulate the rationale why you believe the study meets the purpose of the PAG, including copies of any supporting information or data. It has been the Agency's experience that studies completed prior to January 1970 rarely satisfied the purpose of the PAG and that necessary raw data are usually not available for such studies.

If you submit an existing study, you must certify that the study meets all requirements of the criteria outlined above.

If you know of a study pertaining to any requirement in this Notice which does not meet the criteria outlined above but does contain factual information regarding unreasonable adverse effects, you must notify the Agency of such a study. If such study is in the Agency's files, you need only cite it along with the notification. If not in the Agency's files, you must submit a summary and copies as required by PR Notice 86-5.

Option 5. Upgrading a Study -- If a study has been classified as partially acceptable and upgradeable, you may submit data to upgrade that study. The Agency will review the data submitted and determine if the requirement is satisfied. If the Agency decides the requirement is not satisfied, you may still be required to submit new data normally without any time extension. Deficient, but upgradeable studies will normally be classified as supplemental. However, it is important to note that not all studies classified as supplemental are upgradeable. If you have questions regarding the classification of a study or whether a study may be upgraded, call or write the contact person listed in Attachment A. If you submit data to upgrade an existing study you must satisfy or supply information to correct all deficiencies in the study identified by EPA. You must provide a clearly articulated rationale of how the deficiencies have been remedied or corrected and why the study should be rated as acceptable to EPA. Your submission must also specify the MRID number(s) of the study which you are attempting to upgrade and must be in conformance with PR Notice 86-5.

Do not submit additional data for the purpose of upgrading a study classified as unacceptable and determined by the Agency as not capable of being upgraded.

This option should also be used to cite data that has been previously submitted to upgrade a study, but has not yet been reviewed by the Agency. You must provide the MRID number of the data submission as well as the MRID number of the study being upgraded.

The criteria for submitting an existing study, as specified in Option 4 above, apply to all data submissions intended to upgrade studies. Additionally your submission of data intended to upgrade studies must be accompanied by a certification that you comply with each of those criteria as well as a certification regarding protocol compliance with Agency requirements.

Option 6. Citing Existing Studies -- If you choose to cite a study that has been previously submitted to EPA, that study must have been previously classified by EPA as acceptable or it must be a study which has not yet been reviewed by the Agency. Acceptable toxicology studies generally will have been classified as "core-

guideline" or "core minimum." For all other disciplines the classification would be "acceptable." With respect to any studies for which you wish to select this option you must provide the MRID number of the study you are citing and, if the study has been reviewed by the Agency, you must provide the Agency's classification of the study.

If you are citing a study of which you are not the original data submitter, you must submit a completed copy of EPA Form 8570-31, Certification with Respect to Data Compensation Requirements.

Registrants who select one of the above 6 options must meet all of the requirements described in the instructions for completing the Data Call-In Response Form and the Requirements Status and Registrant's Response Form, as appropriate.

III-D REQUESTS FOR DATA WAIVERS

If you request a waiver for product specific data because you believe it is inappropriate, you must attach a complete justification for the request, including technical reasons, data and references to relevant EPA regulations, guidelines or policies. (Note: any supplemental data must be submitted in the format required by PR Notice 86-5). This will be the only opportunity to state the reasons or provide information in support of your request. If the Agency approves your waiver request, you will not be required to supply the data pursuant to section 3(c)(2)(B) of FIFRA. If the Agency denies your waiver request, you must choose an option for meeting the data requirements of this Notice within 30 days of the receipt of the Agency's decision. You must indicate and submit the option chosen on the Requirements Status and Registrant's Response Form. Product specific data requirements for product chemistry, acute toxicity and efficacy (where appropriate) are required for all products and the Agency will grant a waiver only under extraordinary circumstances. You should also be aware that submitting a waiver request will not automatically extend the due date for the study in question. Waiver requests submitted without adequate supporting rationale will be denied and the original due date will remain in force.

IV. CONSEQUENCES OF FAILURE TO COMPLY WITH THIS NOTICE

IV-A NOTICE OF INTENT TO SUSPEND

The Agency may issue a Notice of Intent to Suspend products subject to this Notice due to failure by a registrant to comply with the requirements of this Data Call-In Notice, pursuant to FIFRA section 3(c)(2)(B). Events which may be the basis for issuance of a Notice of Intent to Suspend include, but are not limited to, the following:

1. Failure to respond as required by this Notice within 90 days of your receipt of this Notice.

2. Failure to submit on the required schedule an acceptable proposed or final protocol if such is required to be submitted to the Agency for review.

3. Failure to submit on the required schedule an adequate progress report on a study if required by this Notice.

4. Failure to submit on the required schedule acceptable data as required by this Notice.

5. Failure to take a required action or submit adequate information pertaining to any option chosen to address the data requirements (e.g., any required action or information pertaining to submission or citation of existing studies or offers, arrangements, or arbitration on the sharing of costs or the formation of Task Forces, failure to comply with the terms of an agreement or arbitration concerning joint data development or failure to comply with any terms of a data waiver).

6. Failure to submit supportable certifications as to the conditions of submitted studies, as required by Section III-C of this Notice.

7. Withdrawal of an offer to share in the cost of developing required data.

8. Failure of the registrant to whom you have tendered an offer to share in the cost of developing data and provided proof of the registrant's receipt of such offer either to:

a. Inform EPA of intent to develop and submit the data required by this Notice on a Data Call-In Response Form and a Requirements Status and Registrant's Response Form;

b. Fulfill the commitment to develop and submit the data as required by this Notice; or

c. Otherwise take appropriate steps to meet the requirements stated in this Notice, unless you commit to submit and do submit the required data in the specified time frame.

9. Failure to take any required or appropriate steps, not mentioned above, at any time following the issuance of this Notice.

IV-B. BASIS FOR DETERMINATION THAT SUBMITTED STUDY IS UNACCEPTABLE

The Agency may determine that a study (even if submitted within the required time) is unacceptable and constitutes a basis for issuance of a Notice of Intent to Suspend. The grounds for suspension include, but are not limited to, failure to meet any of the following:

1. EPA requirements specified in the Data Call-In Notice or other documents incorporated by reference (including, as applicable, EPA Pesticide Assessment Guidelines, Data Reporting Guidelines, and GeneTox Health Effects Test Guidelines) regarding the design, conduct, and reporting of required studies. Such requirements include, but are not limited to, those relating to test material, test procedures, selection of species, number of animals, sex and distribution of animals, dose and effect levels to be tested or attained, duration of test, and, as applicable, Good Laboratory Practices.

2. EPA requirements regarding the submission of protocols (if applicable), including the incorporation of any changes required by the Agency following review.

3. EPA requirements regarding the reporting of data, including the manner of reporting, the completeness of results, and the adequacy of any required supporting (or raw) data, including, but not limited to, requirements referenced or included in this Notice or contained in PR 86-5. All studies must be submitted in the form of a final report; a preliminary report will not be considered to fulfill the submission requirement.

IV-C EXISTING STOCKS OF SUSPENDED OR CANCELLED PRODUCTS

EPA has statutory authority to permit continued sale, distribution and use of existing stocks of a pesticide product which has been suspended or cancelled if doing so would be consistent with the purposes of the Act.

The Agency has determined that such disposition by registrants of existing stocks for a suspended registration when a section 3(c)(2)(B) data request is outstanding would generally not be consistent with the Act's purposes. Accordingly, the Agency anticipates granting registrants permission to sell, distribute, or use existing stocks of suspended product(s) only in exceptional circumstances. If you believe such disposition of existing stocks of your product(s) which may be suspended for failure to comply with this Notice should be permitted, you have the burden of clearly demonstrating to EPA that granting such permission would be consistent with the Act. You must also explain why an "existing stocks" provision is necessary, including a statement of the quantity of existing stocks and your estimate of the time required for their sale, distribution, and use. Unless you meet this burden the Agency will not consider any request pertaining to the continued sale, distribution, or use of your existing stocks after suspension.

If you request a voluntary cancellation of your product(s) as a response to this Notice and your product is in full compliance with all Agency requirements, you will have, under most circumstances, one year from the date your 90 day response to this Notice is due, to sell, distribute, or use existing stocks. Normally, the Agency will allow persons other than the registrant such as independent

distributors, retailers and end users to sell, distribute or use such existing stocks until the stocks are exhausted. Any sale, distribution or use of stocks of voluntarily cancelled products containing an active ingredient for which the Agency has particular risk concerns will be determined on a case-by-case basis.

Requests for voluntary cancellation received after the 90 day response period required by this Notice will not result in the Agency granting any additional time to sell, distribute, or use existing stocks beyond a year from the date the 90 day response was due unless you demonstrate to the Agency that you are in full compliance with all Agency requirements, including the requirements of this Notice. For example, if you decide to voluntarily cancel your registration six months before a 3 year study is scheduled to be submitted, all progress reports and other information necessary to establish that you have been conducting the study in an acceptable and good faith manner must have been submitted to the Agency, before EPA will consider granting an existing stocks provision.

SECTION V. REGISTRANTS' OBLIGATION TO REPORT POSSIBLE UNREASONABLE ADVERSE EFFECTS

Registrants are reminded that FIFRA section 6(a)(2) states that if at any time after a pesticide is registered a registrant has additional factual information regarding unreasonable adverse effects on the environment by the pesticide, the registrant shall submit the information to the Agency. Registrants must notify the Agency of any factual information they have, from whatever source, including but not limited to interim or preliminary results of studies, regarding unreasonable adverse effects on man or the environment. This requirement continues as long as the products are registered by the Agency.

SECTION VI. INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the requirements and procedures established by this Notice, call the contact person(s) listed in Attachment A, the Data Call-In Chemical Status Sheet.

All responses to this Notice (other than voluntary cancellation requests) must include a completed Data Call-In Response Form and a completed Requirements Status and Registrant's Response Form (Attachment B and Attachment C) and any other documents required by this Notice, and should be submitted to the contact person(s) identified in Attachment A. If the voluntary cancellation option is chosen, only the Data Call-In Response Form need be submitted.

The Office of Compliance Monitoring (OCM) of the Office of Pesticides and Toxic Substances (OPTS), EPA, will be monitoring the data being generated in response to this Notice.

Sincerely yours,

Daniel M. Barolo, Director
Special Review and
Reregistration Division

Attachments

A - Data Call-In Chemical Status Sheet
B - Data Call-In Response Form
C - Requirements Status and Registrant's Response Form
D - EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration
E - List of Registrants Sent This DCI
F - EPA Acceptance Criteria
G - Cost Share and Data Compensation Forms

ATTACHMENT A

Chemical Status Sheet

ATTACHMENT A

CHLORINATED ISOCYANURATES: DATA CALL-IN CHEMICAL STATUS SHEET

INTRODUCTION

You have been sent this Product Specific Data Call-In Notice because you have product(s) containing the chlorinated isocyanurates.

This Product Specific Data Call-In Chemical Status Sheet, contains an overview of the data required by this notice, and point of contact for inquires pertaining to the reregistration of the chlorinated isocyanurates. This attachment is to be used in conjunction with (1) the Product Specific Data Call-In Notice, (2) the Product Specific Data Call-In Response Form (Attachment B), (3) The Requirements Status and Registrant's Response form (Attachment C), (4) EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration (Attachment D); (5) list of registrants receiving this DCI (Attachment E), (6) the EPA Acceptance Criteria (Attachment F), and (7) the Cost Share and Data Compensation Forms in replying to this chlorinated isocyanurate Generic Data Call-In (Attachment G). Instructions and guidance accompany each form.

DATA REQUIRED BY THIS NOTICE

The additional data requirements needed to complete the database for the chlorinated isocyanurates are contained in the Requirements Status and Registrant's Response Form, Attachment C. The Agency has concluded that additional product chemistry data and toxicology data are needed for specific products. These data are needed to fully complete the reregistration of all eligible chlorinated isocyanurate products.

INQUIRIES AND RESPONSES TO THIS NOTICE

If you have any questions regarding the product specific data requirements and procedures established by this Notice, please contact Barbara Pringle at (703) 305-6484.

All responses to this Notice for the Product Specific data requirements should be submitted to:

Document Processing Desk (RED/RD/PM32)
Office of Pesticide Programs (H7504C)
Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460-0001

RE: Chlorinated Isocyanurates

ATTACHMENT B

Product Specific Data Call-In Response Forms (Form A) Plus Instructions

SPECIFIC INSTRUCTIONS FOR COMPLETING THE DATA CALL-IN RESPONSE FORM

Product Specific Data

This form is designed to be used to respond to call-ins for generic and product specific data for the purpose of reregistering pesticides under the Federal Insecticide Fungicide and Rodenticide Act. Fill out this form each time you are responding to a data call-in for which EPA has sent you the form entitled "Requirements Status and Registrant's Response."

Items 1-4 will have been preprinted on the form. Items 5 through 7 must be completed by the registrant as appropriate. Items 8 through 11 must be completed by the registrant before submitting a response to the Agency.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggesting for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Project 2070-0107, Washington, D.C. 20503.

INSTRUCTIONS FOR COMPLETING THE "DATA CALL-IN RESPONSE" FORM FOR PRODUCT SPECIFIC DATA

Item 1-4. Already completed by EPA.

Item 5. If you wish to voluntarily cancel your product, answer "yes." If you choose this option, you will not have to provide the data required by the Data Call-In Notice and you will not have to complete any other forms. Further sale and distribution of your product after the effective date of cancellation must be in accordance with the Existing Stocks provision of the Data Call-In Notice (Section IV-C).

Item 6. Not applicable since this form calls in product specific data only. However, if your product is identical to another product and you qualify for a data exemption, you must respond with "yes" to Item 7a (MP) or 7b (EP) on this form, provide the EPA registration numbers of your source(s) and complete and submit the "Generic Data Exemption" form; you would not complete the "Requirements Status and Registrant's Response" form. Examples of such products include repackaged products and Special Local Needs (Section 24c) products which are identical to federally registered products.

Item 7a. For each manufacturing use product (MP) for which you wish to maintain registration, you must agree to satisfy the data requirements by responding "yes."

Item 7b. For each end use product (EP) for which you wish to maintain registration, you must agree to satisfy the data requirements by responding "yes." If you are requesting a data waiver, answer "yes" here; in addition, on the "Requirements Status and Registrant's Response" form under Item 9, you must respond with Option 7 (Waiver Request) for each study for which you are requesting a waiver. See Item 6 with regard to identical products and data exemptions.

Items 8-11. Self-explanatory.

NOTE: You may provide additional information that does not fit on this form in a signed letter that accompanies this form. For example, you may wish to report that your product has already been transferred to another company or that you have already voluntarily cancelled this product. For these cases, please supply all relevant details so that EPA can ensure that its records are correct.

United States Environmental Protection Agency
Washington, D. C. 20460

DATA CALL-IN RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company name and Address	2. Case # and Name	3. Date and Type of DCI
	0569 Chlorinated Isocyanurates	PRODUCT SPECIFIC MAY 7 1993

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily.	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is a MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
		N.A.	N.A.		

8. Certification

I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company Contact

11. Phone Number

ATTACHMENT C

Requirements Status and Registrants' Response Forms (Form B) Plus Instructions

INSTRUCTIONS FOR COMPLETING THE "REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE" FORM FOR **PRODUCT SPECIFIC DATA**

Item 1-3 Completed by EPA. Note the **unique identifier number** assigned by EPA in Item 3. This number **must be used in the transmittal document for any data submissions** in response to this Data Call-In Notice.

Item 4. The guideline reference numbers of studies required to support the product's continued registration are identified. These guidelines, in addition to the requirements specified in the Notice, govern the conduct of the required studies. Note that series 61 and 62 in product chemistry are now listed under 40 CFR 158.155 through 158.180, Subpart C.

Item 5. The study title associated with the guideline reference number is identified.

Item 6. The use pattern(s) of the pesticide associated with the product specific requirements is (are) identified. For most product specific data requirements, all use patterns are covered by the data requirements. In the case of efficacy data, the required studies only pertain to products which have the use sites and/or pests indicated.

Item 7. The substance to be tested is identified by EPA. For product specific data, the product as formulated for sale and distribution is the test substance, except in rare cases.

Item 8. The due date for submission of each study is identified. It is normally based on 8 **months after issuance of the Reregistration Eligibility Document** unless EPA determines that a longer time period is necessary.

Item 9. **Enter <u>only one</u> of the following response codes <u>for each data requirement</u> to show how you intend to comply with the data requirements listed in this table.** Fuller descriptions of each option are contained in the Data Call-In Notice.

1. I will generate and submit data by the specified due date (**Developing Data**). By indicating that I have chosen this option, I certify that I will comply with all the requirements pertaining to the conditions for submittal of this study as outlined in the Data Call-In Notice.

2. I have entered into an agreement with one or more registrants to develop data jointly (**Cost Sharing**). I am submitting a **copy of this agreement**. I understand that this option is available only for acute toxicity or certain efficacy data and **only** if EPA indicates in an attachment to this Notice that my product is similar enough to another product to qualify for this option. I certify that another party in the agreement is committing to submit or provide

the required data; if the required study is not submitted on time, my product may be subject to suspension.

3. I have made offers to share in the cost to develop data (**Offers to Cost Share**). I understand that this option is available **only** for acute toxicity or certain efficacy data and **only** if EPA indicates in an attachment to this Data Call-In Notice that my product is similar enough to another product to qualify for this option. I am submitting **evidence that I have made an offer** to another registrant (who has an obligation to submit data) to share in the cost of that data. I am also submitting a completed **"Certification of Offer to Cost Share in the Development Data" form.** I am including a copy of my offer and proof of the other registrant's receipt of that offer. I am identifying the party which is committing to submit or provide the required data; if the required study is not submitted on time, my product may be subject to suspension. I understand that other terms under Option 3 in the Data Call-In Notice (Section III-C.1.) apply as well.

4. By the specified due date, I will submit an existing study that has not been submitted previously to the Agency by anyone (**Submitting an Existing Study**). I certify that this study will meet all the requirements for submittal of existing data outlined in Option 4 in the Data Call-In Notice (Section III-C.1.) and will meet the attached acceptance criteria (for acute toxicity and product chemistry data). I will attach the needed supporting information along with this response. I also certify that I have determined that this study will fill the data requirement for which I have indicated this choice.

5. By the specified due date, I will submit or cite data to upgrade a study classified by the Agency as partially acceptable and upgradable (**Upgrading a Study**). I will submit **evidence of the Agency's review** indicating that the study may be upgraded and what information is required to do so. I will provide the MRID or Accession number of the study at the due date. I understand that the conditions for this option outlined Option 5 in the Data Call-In Notice (Section III-C.1.) apply.

6. By the specified due date, I will cite an existing study that the Agency has classified as acceptable or an existing study that has been submitted but not reviewed by the Agency (**Citing an Existing Study**). If I am citing another registrant's study, I understand that this option is available **only** for acute toxicity or certain efficacy data and **only** if the cited study was conducted on my product, an identical product or a product which EPA has "grouped" with one or more other products for purposes of depending on the same data. I may also choose this option if I am citing my own data. In either case, I will provide the **MRID or Accession number(s)** for the cited data on a "Product Specific Data Report" form or in a similar format. If I

cite another registrant's data, I will submit a completed **"Certification With Respect To Data Compensation Requirements" form.**

7. I request a waiver for this study because it is inappropriate for my product (**Waiver Request**). I am attaching a complete justification for this request, including technical reasons, data and references to relevant EPA regulations, guidelines or policies. [Note: any supplemental data must be submitted in the format required by P.R. Notice 86-5]. I understand that this is my **only** opportunity to state the reasons or provide information in support of my request. If the Agency approves my waiver request, I will **not** be required to supply the data pursuant to Section 3(c)(2)(B) of FIFRA. If the Agency denies my waiver request, I **must choose** a method of meeting the data requirements of this Notice by the due date stated by this Notice. In this case, I must, within **30 days** of my receipt of the Agency's written decision, submit a revised "Requirements Status and Registrant's Response" Form indicating the option chosen. I also understand that the deadline for submission of data as specified by the original data call-in notice will not change.

Items 10-13. Self-explanatory.

NOTE: You may provide **additional information** that does not fit on this form in a signed letter that accompanies this form. For example, you may wish to report that your product has already been transferred to another company or that you have already voluntarily cancelled this product. For these cases, please supply all relevant details so that EPA can ensure that its records are correct.

United States Environmental Protection Agency
Washington, D. C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 03-31-96

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company name and Address

2. Case # and Name
0569 Chlorinated Isocyanurates

EPA Reg. No.

3. Date and Type of DCI
PRODUCT SPECIFIC
ID#
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
	Prod Chem - Regular Chemical								
61-1	Product identity & composition(1)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
61-2(a)	Descrip of starting materials,(1,2) production & formulation proc					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
61-2(b)	Discussion of formation of (1,3) impurities					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
62-1	Preliminary analysis (1,4)					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
62-2	Certification of limits (1,5)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
62-3	Analytical method (1)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-3	Physical state					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
63-5	Melting point (6)					ABCDEFGHIJKLMNO	TGAI	8 mos.	
63-6	Boiling point (7)					ABCDEFGHIJKLMNO	TGAI	8 mos.	
63-7	Density					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
63-8	Solubility					ABCDEFGHIJKLMNO	TGAI/PAI	8 mos.	
63-9	Vapor pressure					ABCDEFGHIJKLMNO	TGAI/PAI	8 mos.	

10. Certification
I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company Contact

13. Phone Number

United States Environmental Protection Agency
Washington, D. C. 20460

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Form Approved
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0569 Chlorinated Isocyanurates

EPA Reg. No.

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PRODUCT SPECIFIC
ID#
MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
63-10	Dissociation constant					ABCDEFGHIJKLMNO	TGAI/PAI	8 mos.	
63-11	Octanol/water partition coefficient (8)					ABCDEFGHIJKLMNO	PAI	8 mos.	
63-12	pH (9)					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
63-13	Stability					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-14	Oxidizing or reducing action (10)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-15	Flammability (11)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-16	Explodability (12)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-18	Viscosity (13)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-19	Miscibility (14)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-20	Corrosion characteristics					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
63-21	Dielectric breakdown voltage (15)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
	Acute Toxic - Regular Chemical								
81-1	Acute oral toxicity-rat (1,36,37)					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
81-2	Acute dermal toxicity-rabbit/rat (1,2,37)					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
81-3	Acute inhalation toxicity-rat (3)					ABCDEFGHIJKLMNO	MP/EP and TGAI	8 mos.	
81-4	Primary eye irritation-rabbit (2)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
81-5	Primary dermal irritation (1,2)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	
81-6	Dermal sensitization (4)					ABCDEFGHIJKLMNO	MP/EP	8 mos.	

Initial to indicate certification as to information on this page (full text of certification is on page one).

Date

United States Environmental Protection Agency
Washington, D. C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

Form Approved
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ID#

MAY 7 1993

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame	9. Registrant Response
	Efficacy - Antimicrobial Agents - Public Health Uses								
	Medical, Dental, Mortuary, and Allied Environments								
91-2,3	AOAC sporicidal test (1,2)					MN	EP	8 mos.	
91-2,3	AOAC use-dilution method (1,2)					MN	EP	8 mos.	
91-2, 3	AOAC germicidal spray products test (1,2)					MN	EP	8 mos.	
91-2	AOAC fungicidal test (1,2)					MN	EP	8 mos.	
91-2	AOAC tuberculocidal activity method (1,2)					MN	EP	8 mos.	
91-2	AOAC phenol coefficient method (1,2,7)					MN	EP	8 mos.	
91-2	Virucidal activity study (1,2)					MN	EP	8 mos.	
	Water system treatment products (11)								

Initial to indicate certification as to information on this page (full text of certification is on page one).

Date

United States Environmental Protection Agency
Washington, D. C. 20460

FOOTNOTES AND KEY DEFINATIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0569 Chlorinated Isocyanurates

Key: MP = manufacturing-use product; EP = end-use product; provided formulators purchase their active ingredient(s) from a registered source, they need not submit or cite data pertaining to the purchased product. [NOTE: If a product is a 100 percent repackage of another registered product that is purchased, and any use for the product does not differ from those of the purchased and registered source, users are not subject to any data requirements identified in the tables.]; TEP = typical end-use product; TGAI = technical grade of the active ingredient; PAI = "pure" active ingredient; PAIRA = "pure" active ingredient, radiolabeled.

Use Categories Key:

A - Terrestrial food crop	B - Terrestrial food feed crop	C - Terrestrial nonfood crop	D - Aquatic food crop	E - Aquatic nonfood outdoor
F - Aquatic nonfood Industrial	G - Aquatic nonfood residential	H - Greenhouse food crop	I - Greenhouse nonfood crop	J - Forestry
K - Residential outdoor	L - Indoor food	M - Indoor nonfood	N - Indoor Medical	O - Indoor residential

Footnotes: [The following notes are referenced in column two (5. Study Title) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

Prod Chem - Regular Chemical

1 Requirements pertaining to product identity, composition, analysis, and certification of ingredients are detailed further in the following sections: *158.155 for product identity and composition (61-1); *158.160, 158.162, and 158.165 for description of starting materials and manufacturing process (61-2); *158.167 for discussion of formation of impurities (61-3); *158.170 for preliminary analysis (62-1); *158.175 for certification of limits (62-2); and *158.180 for enforcement analytical methods (62-3).
2 A schematic diagram and/or brief description of the production process will suffice if the pesticide is not already under full scale production and an experimental use permit is being sought.
3 If the pesticide is not already under full scale production and an experimental use permit is sought, a discussion of unintentional ingredients shall be submitted to the extent this information is available.
4 Required to support the registration of each manufacturing-use product (including registered TGAIs) as well as end-use products produced by an integrated system. Data on other end-use products will be required on a case-by-case basis. For pesticides in the development state, a rudimentary product analytical method and data will suffice to support an experimental use permit.
5 Certified limits are not required for inert ingredients in products proposed for experimental use.
6 Required if technical chemical is solid at room temperature.
7 Required if technical chemical is liquid at room temperature.
8 Required if technical chemical is organic and non-polar.
9 Required if test substances are dispersible with water.
10 Required if product contains an oxidizing or reducing agent.
11 Required if product contains combustible liquids.
12 Required if product is potentially explosive.
13 Required if product is a liquid.
14 Required if product is an emulsifiable liquid and is to be diluted with petroleum solvents.
15 Required if end-use product is liquid and is to be used around electrical equipment.

Acute Toxic - Regular Chemical

1 Not required if test material is a gas or highly volatile.
2 Not required if test material is corrosive to skin or has pH less than 2 or greater than 11.5; such a product will be classified as Toxicity Category I on the basis of potential eye and dermal irritation effects.

United States Environmental Protection Agency
Washington, D. C. 20460

FOOTNOTES AND KEY DEFINATIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0569 Chlorinated Isocyanurates

Footnotes (cont.):

3 Required if the product consists of, or under conditions of use will result in, an inhalable material (e. g., gas, volatile substances, or aerosol/particulate).
4 Required unless repeated dermal exposure does not occur under conditions of use.
36 Special testing (acute, subchronic, and/or chronic) is required for organophospates, and may be required for other cholinesterase inhibitors and other pesticides which have demonstrated a potential to adversely affect the visual system. Registrants should consult with the agency for development of protocols and methodology prior to initiation of studies.
37 Testing of the EP dilution is required if it can be reasonably anticipated that the results of such testing may meet the criteria for restriction to use by certified applicators specified in 40 CFR 152.170(b) or the criteria for initiation of special review specified in 40 CFR 154.7 (a)(1).

Efficacy - Antimicrobial Agent

1 Efficacy data for antimicrobial agents that claim to control pest microorganisms that may pose a threat to human must be submitted.
2 Comparative product performance data are required to be developed and maintained in the registrant's file and must be submitted to the Agency on a case-by-case basis for risk/benefit analyses such as for public interest findings and cases of special review.
7 Required if registrant intends to make a phenol coefficient claim.
11 For disinfectant products used to treat municipal drinking water contact the Office of Drinking Water, Criteria and Standards Division (WH-550D), 401 M St., SW., Washington, DC 20460 for appropriate testing requirements.

ATTACHMENT D

EPA Grouping of End-Use Products for Meeting Acute Toxicology Data Requirements for Reregistration

EPA'S BATCHING OF CHLORINATED ISOCYANURATES END-USE PRODUCTS FOR MEETING ACUTE TOXICITY DATA REQUIREMENTS FOR REREGISTRATION

In an effort to reduce the time, resources and number of animals needed to fulfill the acute toxicity data requirements for reregistration of end-use products containing the active ingredient chlorinated isocyanurates, the Agency has batched products which can be considered similar for purposes of acute toxicity. Factors considered in the sorting process include each product's active and inert ingredients (identity, percent composition and biological activity), type of formulation (e.g., emulsifiable concentrate, aerosol, wettable powder, granular, etc.), and labeling (e.g., signal word, use classification, precautionary labeling, etc.). Note that the Agency is not describing batched products as "substantially similar" since some products within a batch may not be considered chemically similar or have identical use patterns.

Batching has been accomplished using the readily available information described above, and frequently acute toxicity data on individual end-use products has been found to be incomplete. Notwithstanding the batching process, the Agency reserves the right to require, at any time, acute toxicity data for an individual end-use product should the need arise.

Registrants of end-use products within a batch may choose to cooperatively generate, submit or cite a single battery of six acute toxicological studies to represent all the products within that batch. It is the registrants' option to participate in the process with all other registrants, only some of the other registrants, or only their own products within a batch, or to generate all the required acute toxicological studies for each of their own products. If a registrant chooses to generate the data for a batch, he/she must use one of the products within the batch as the test material. If a registrant chooses to rely upon previously submitted acute toxicity data, he/she may do so provided that the data base is complete and valid by today's standards (see acceptance criteria attached), the formulation tested is considered by EPA to be similar for acute toxicity, and the formulation has not been significantly altered since submission and acceptance of the acute toxicity data. Regardless of whether new data is generated or existing data is referenced, registrants must clearly identify the test material by EPA Registration Number.

In deciding how to meet the product specific data requirements, registrants must follow the directions given in the Data Call-In Notice and its attachments appended to the RED. The DCI Notice contains two response forms which are to be completed and submitted to the Agency within 90 days of receipt. The first form, "Data Call-In Response," asks whether the registrant will meet the data requirements for each product. The second form, "Requirements Status and Registrant's Response," lists the product specific data required for each product, including the standard six acute toxicity tests. A registrant who wishes to participate in a batch must decide whether he/she will provide the data or depend on someone else to do so. If a registrant supplies the data to support a batch of products, he/she must select one of the following options: Developing Data (Option 1), Submitting an Existing Study (Option 4), Upgrading an Existing Study (Option 5) or Citing an Existing Study (Option 6). If a registrant depends on another's data, he/she must choose among: Cost Sharing (Option 2), Offers to Cost Share (Option 3) or Citing an Existing Study (Option 6). If a registrant does not want to participate in a batch, the choices are Options 1, 4, 5 or 6. However, a registrant should know that choosing not to participate in a batch does not preclude other registrants in the batch from citing his/her studies and offering to cost share (Option 3) those studies.

Batched products were divided into two groups: the dichloroisocyanurate group which includes the potassium salt, the sodium salt and the dihydrated sodium salt; and the trichloroisocyanurate group. Batches 1 through 26 (Table I) consist of products in the dichloroisocyanurate group. Batches 27 through 31 (Table II) consist of products in the trichloroisocyanurate group. Products that were excluded from the batching process (Tables III and IV) were either considered not to be similar for

purposes of acute toxicity or the Agency lacked sufficient information for decision making purposes. Registrants of these products are responsible for meeting the acute toxicity data requirements for each product.

Table I.

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
1	230-75	40	granular
	230-78	40	granular
	524-345	40	granular
	524-349	40	granular
	524-357	40	powder
	602-141	65	powder
	602-182	65	powder
	602-293	65	granular
	1757-98	45	granular
	6284-49	55.6	granular
	7124-60	57	granular
	8791-53	40	powder
	8791-54	40	granular
	34571-7	54	powder
	43680-9	54	powder
	45309-21	57	granular
	53254-4	40	powder
2	230-72	28	granular
	524-358	28	granular
	524-359	25	granular
	524-360	25	powder
	881-12	28	powder
	1072-17	28	granular
	1270-211	28	powder
	4313-48	28	powder
	4875-19	28	granular
	10428-16	28	powder

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
	35495-11	28	powder
	40457-4	28	powder
	40871-6	28	powder
	48211-69	28	powder
	58880-1	28	powder
3	230-76	25	granular
	524-361	25	granular
	524-362	25	granular
	524-363	25	granular
	1791-40	25	granular
	4875-18	25	granular
	5768-12	25	powder
	5870-33	25	powder
	7546-17	30	powder
	8791-58	25	powder
	8791-59	25	powder
	10634-19	25	powder
	35495-12	25	powder
	37741-2	25	powder
	41831-6	25	powder
	49292-10	25	powder
	50600-4	25	powder
	62353-1	25	granular
	64864-6	26.5	granular
4	524-371	34	granular
	524-372	34	granular
	524-373	34	powder
	875-89	25.8	powder
	875-94	13.8	granular
	875-98	6.9	powder

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
	1677-141	22.25	powder
	1677-149	28	granular
	1706-142	18	granular
	4462-39	20	powder
	5736-17	17	granular
	7116-5	6.8	granular
	8540-14	25	granular
	9152-19	16.5	granular
	10508-6	16	granular
	10932-8	34	powder
	65020-3	30	powder
5	5389-14	23.85	granular
	6198-5	25	powder
	6198-7	25	powder
	6198-13	25	tablet
6	524-364	6	granular
	524-365	6	powder
	524-366	6	granular
	524-367	18	granular
	8791-56	18	powder
7	230-74	18	granular
	524-368	18	powder
	524-369	18	powder
	8791-55	18	granular
8	1270-181	5.6	granular
	4313-49	5.6	granular
	6198-6	5.6	granular

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
9	1258-1160	50	tablets
	1258-1161	50	tablets
	1258-1165	50	tablets
	1258-1166	50	tablets
10	1258-1159	25	tablets
	1258-1162	25	tablets
	1258-1163	25	tablets
	1258-1164	25	tablets
11	3525-40	57	powder
	3525-53	57	powder
	3525-84	57	powder
	5185-311	64.6	granular
	9157-24	60	granular
12	6284-30	49.1	granular
	7364-29	49.1	granular
	8791-5	47.5	granular
	8791-13	49.1	granular
13	3522-18	86	tablets
	6284-48	87.7	granular
14	5389-6	6	granular
	5768-14	6	granular
15	3573-49	0.9	powder
	3573-51	0.9	powder
16	1124-67	0.8	powder
	6466-12	0.8	powder

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
17	3635-44	2.5	powder
	3640-61	3.2	powder
	65020-2	5.4	granular
18	602-185	17.5	powder
	5389-10	16.1	powder
19	1317-65	20.25	granular
	1677-91	29	powder
20	833-44	29	powder
	48925-1	25	powder
21	1677-53	20.25	powder
	7350-14	18	powder
22	3635-101	15	powder
	3635-209	34	granular
23	230-73	5.6	powder
	58262-1	5.6	powder
24	4829-14	60 dichloroisocyanurate 1 benzyl ammonium chloride	tablets
	4829-19	60 dichloroisocyanurate 1 benzyl ammonium chloride	tablets
	4829-40	60 dichloroisocyanurate 1 benzyl ammonium chloride	tablets
	4829-50	64 dichloroisocyanurate 1 benzyl ammonium chloride	powder
	4829-51	64 dichloroisocyanurate 1 benzyl ammonium chloride	tablets

Batch	EPA Reg. No.	% Dichloroisocyanurates and any other active ingredients	Formulation Type
25	524-377	96 dichloroisocyanurate 4 sodium bromide	granular
	524-395	89 dichloroisocyanurate 7 sodium bromide	granular
	524-404	89 dichloroisocyanurate 7 sodium bromide	granular
	5185-376	81.6 dichloroisocyanurate 14.6 sodium bromide	granular

Batch 26. The following batch consist of products (tablets, powder and granular formulations) containing dichloroisocyanurates as the active ingredient in concentrations ranging from 98-100 % .

148-1167	1258-1141	4875-15
230-50	1258-1142	5185-54
230-57	1258-1143	5185-194
230-60	1258-1144	5185-226
230-63	1258-1145	5185-278
230-69	1258-1151	5185-315
275-78	1258-1152	5185-316
278-50	1258-1153	5185-319
523-313	1258-1154	5736-43
524-105	1258-1155	6199-2
524-106	1258-1156	6199-4
524-325	1258-1157	6284-3
524-335	1258-1158	6284-20
524-338	1258-1174	6284-27
524-379	1317-80	6284-28
524-381	1677-44	6284-42
524-383	1729-93	6284-52
524-385	1729-135	6809-8
524-388	1729-144	7124-20
524-389	2136-33	7124-31
1258-745	2292-96	7152-17
1258-852	3432-12	7152-21
1258-861	3432-37	7364-45
1258-886	3432-50	7364-60
1258-897	3525-41	7368-6
1258-898	3525-56	7368-37
1258-903	3525-57	7616-2
1258-907	4524-42	7616-47
1258-984	4591-71	8033-6
1258-1042	4829-26	8544-10
1258-1065	4829-53	8544-13
1258-1106	4829-54	8544-20
1258-1107	4829-60	8791-4
1258-1137	4829-62	8791-12
1258-1138	4829-64	8791-27
1258-1139	4829-68	8791-31
1258-1140	4829-69	8791-43

8791-44
8866-24
8959-38
8959-40
9157-5
9157-18
9157-23
9157-28
9157-31
9215-2
9215-8
9411-7
10079-3
10133-11
10182-10
10182-13
10182-31
10182-59
10336-3
10598-8
10897-1
10897-7
10897-9
10897-31
10932-10
11329-8
11411-1
12014-27
12014-42
12014-44
12465-51
15127-9
15127-10
15127-11
33906-1
33906-4
33906-5
33906-7
33980-2
33980-3
34571-14
35909-10
36284-3
37428-1
37982-19
37982-23
41134-1
41134-3
41134-5
41702-6
41702-12
42177-5
42177-16
42177-30
42177-57
42177-58
42446-3
43973-2
43973-5
45309-12
45309-46
45387-15
47033-7
48242-1
51624-3
53254-2
53254-3
53346-1
53346-2

53346-3
53346-4
54309-14
54998-2
57787-6
57787-9
57787-16
62498-1

Table II.

Batch	EPA Reg. No.	% Trichloroisocyanurates and any other active ingredient	Formulation Type
27	1258-890	66	tablets
	3525-39	67	tablets
	4829-78	63.7	tablets
	4829-79	63.7	tablets
	4829-80	63.7	tablets
	4829-81	63.7	tablets
	4829-82	63.7	tablets
	4829-83	63.7	tablets
	4829-84	63.7	tablets
	4829-85	63	tablets
	6284-43	63	tablets
	6284-46	63	tablets
	7124-1	66	tablets
	7124-6	68	granular
	7124-37	67	tablets
	7124-42	70	granular
	7124-61	66	tablets
	7124-62	66	tablets
	7124-63	66	tablets
	7124-64	66	tablets
	7124-65	65	tablets
	7124-66	65	tablets
	7124-67	65	tablets
	7124-68	65	tablets
	7124-69	65	tablets

Batch	EPA Reg. No.	% Trichloroisocyanurates and any other active ingredient	Formulation Type
	7152-43	66	granular
	7152-87	66	tablet
	7364-42	60	tablets
	8544-4	70	granular
	8791-29	67	tablets
	12465-16	67	tablets
	42177-68	67	tablets
	45309-7	67	tablets
	45309-8	67	tablets
	45309-15	67	tablets
	45309-20	67	tablets
	45309-52	67	tablets
28	1258-1187	78.6	stick
	1258-1188	78.6	tablets
	1258-1189	78.6	tablets
	1258-1191	78.6	granular
	4829-116	78	tablets
	4829-117	78	tablets
	4829-118	78	tablets
	5185-349	89	tablets
	5185-397	66.3	tablets
	7124-15	81	granular
	7616-8	82	tablets
	7616-51	82	tablets
	8791-9	80	tablets
	8791-61	70	tablets
	8791-62	70	tablets
	8791-63	80	tablets
	8791-64	80	tablets
	9291-6	63	tablets
	42177-47	89	tablets

Batch	EPA Reg. No.	% Trichloroisocyanurates and any other active ingredient	Formulation Type
	42177-48	89	tablets
	42177-50	89	tablets
	42177-52	89	stick
29	4582-65	0.6	powder
	4582-66	0.6	powder
	4582-67	0.6	powder
30	524-394	Trichloroisocyanurate 92 Sodium bromide 7	tablets
	524-402	Trichloroisocyanurate 92 Sodium bromide 7	tablets
	524-410	Trichloroisocyanurate 92 Sodium bromide 7	tablets
	524-411	Trichloroisocyanurate 92 Sodium bromide 7	tablets
	524-425	Trichloroisocyanurate 88 Sodium bromide 9.2	tablets
	6284-29	Trichloroisocyanurate 96	tablets

Batch 31: The following batch consist of products (sticks, tablets and granular formulations) containing trichloroisocyanurates as the active ingredient in concentrations ranging from 93 - 100 % .

148-916
148-1279
148-1280
148-1281
230-47
230-48
230-58
230-59
230-61
230-79
230-80
230-81
230-82
230-83
230-84
230-85
230-87
524-107
524-323
524-324
524-336
524-337
524-348
524-374
524-380
524-387
524-399
524-414
524-438
1258-853
1258-855
1258-893
1258-905
1258-922
1258-992
1258-993
1258-994
1258-995
1258-996
1258-997
1258-998
1258-1059
1258-1060
1258-1061
1258-1062
1258-1075
1258-1083
1258-1133
1729-92
1729-95
1729-98
1729-99
1729-100
1729-101
1729-120
1729-138
1729-143

1729-145
1729-149
3432-23
3432-24
3432-35
3432-36
3432-44
3432-48
3432-51
3432-61
3525-38
3525-42
3525-72
3525-73
3525-74
3525-75
3525-76
3876-138
4591-72
4643-47
4827-77
4829-55
4829-59
4829-61
4829-63
4829-67
4829-74
4829-75
4829-86
4829-87
4829-89
4829-125
5185-100
5185-114
5185-143
5185-144
5185-159
5185-318
5185-348
5185-351
5185-352
5185-370
5185-371
5185-379
6199-3
6199-5
6284-11
6284-12
6284-19
6284-26
6284-31
6284-32
6284-33
6284-35
6284-36
6284-37
7124-12
7124-14
7124-18
7124-22
7124-24
7124-44
7124-53
7124-70
7124-71
7124-72
7124-95
7124-99
7152-39
7364-41
7364-43
7364-44
7364-49
7364-51
7364-55
7364-57
7368-19
7368-21
7368-27
7369-61
7368-70
7616-18
7616-28
7616-50
7616-60
7619-39
8033-4
8544-11
8544-12
8544-15
8791-2
8791-3
8791-6
8791-7
8791-11
8791-26
8791-28
8791-32
8791-33
8791-36
8791-37
8791-38
8791-42
8866-25
8959-42
9157-6
9157-17
9157-27
9157-29
9157-32
9157-35
9215-3
9215-6
9215-7
10182-11
10182-12
10182-32
10182-33
10182-42
10182-51
10182-52
10182-53
10182-54
10182-55
10336-7
10598-7
10707-37
10897-2
10897-8
10897-11
10897-16
10897-17
10897-30
11329-9
11411-3
11411-5
11411-6
11411-7
11411-8
12014-35
12014-36
12014-37
12014-39
12014-40
12014-45
12014-56
12465-36
12465-39
12465-48
12477-11
13812-3
15127-4
15300-21
27581-31
33458-15
33906-2
33906-3
33906-6
33980-1
33980-4
33980-5
33980-6
34571-12
36284-1
36284-4
36284-5
37428-3
37982-4
37982-6
41134-2
41134-4
41702-7
41702-8
41702-9
42177-17
42177-18
42177-22
42177-23
42177-24
42177-26
42177-36
42177-67
43973-3
43973-4
45309-9
45309-16

45309-22
45309-23
45309-24
45309-27
45309-47
45309-48
45309-51
45387-13
45387-16
45387-17
45387-18
47033-8
48242-2
48242-4
48520-10
48520-11
53254-1
53254-5
53254-6
53735-2
53735-3
53735-4
53735-5
53735-6
54998-1
54998-3
54998-6
57091-1
57091-2
57787-1
57787-8
57787-12
62498-3
62498-4
62498-5
63041-1

Table III shows 32 products containing dichloroisocyanurates as the active ingredient and that were either considered not to be similar for purposes of acute toxicity or the Agency lacked sufficient information for decision making and were not placed in any batch. Registrants of these products are responsible for meeting the acute toxicity data requirements for each product.

Table III.

EPA Reg. No.	% Dichloroisocyanurates and any other active ingredient	Formulation Type
178-9	2.4	granular
777-62	1.25	powder
777-64	1.25	powder
1072-13	17	powder
1203-33	10	granular
1275-27	6.25	powder
1816-17	38.1	granular
3640-28	7.6	powder
4400-4	28 dichloroisocyanurate 12 citric acid	granular
4524-40	22.75	powder
5185-146	34	granular
5185-309	90.5	granular
5389-11	22.6	powder
5991-8	7	granular
7364-46	36.7 dichloroisocyanurate 8.7 copper sulfate	granular
7547-14	40	granular
8405-1	62.6	powder

EPA Reg. No.	% Dichloroisocyanurates and any other active ingredient	Formulation Type
8428-9	22	granular
8544-1	95	granular
8544-2	95	granular
9409-1	32	powder
10190-2	3	powder
10634-3	26.5	granular
18031-1	100	granular
39118-4	99.3	granular
40510-4	31.5 dichloroisocyanurate 28.6 potassium iodine	powder
43521-3	98	granular
46183-6	20.84	granular
53892-9	99.5	granular
57425-1	2.5	tablets
63287-1	36	tablets
64864-9	1	granular

Table IV shows 19 products containing trichloroisocyanurates as the active ingredient and that were either considered not to be similar for purposes of acute toxicity or the Agency lacked sufficient information for decision making and were not placed in any batch. Registrants of these products are responsible for meeting the acute toxicity data requirements for each product.

Table IV.

EPA Reg. No.	Trichloroisocyanurates	Formulation Type
541-173	10	powder
1020-4	5	granular
1258-909	62	granular
4643-29	25	solution
4829-94	38.8	tablets
5185-400	93.33	tablets
7124-2	30	tablets
7124-50	50	granular

EPA Reg. No.	Trichloroisocyanurates	Formulation Type
7152-33	99	tablets
7152-34	99	tablets
7152-37	99	tablets
7616-48	30.3	tablets
8791-1	79	granular
9157-33	70	tablets
10147-10	15	granular
15300-17	20	powder
37982-22	99	granular
46043-2	99	tablets
46043-3	99	tablets

ATTACHMENT E

List of All Registrant(s) Sent This Data Call-In Notice

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081401 Dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
006466	FITZPATRICK BROS INC		625 N. SACRAMENTO BLVD	CHICAGO IL	60612
008428	SHRADER CHEMICAL COMPANY		1205 S SANTA FE	COMPTON CA	90221
035909	ASSOCIATED WATER CONDITIONERS, INC		23 GREEN LANE	SUCCASUNNA NJ	07876

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081403 Potassium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
001124	ELF ATOCHEM N.A. INC	JANITORIAL & TEXTILES PRODUCTS DIV	7300 BOLSA AVE	WESTMINSTER CA	92684
001203	DELTA FOREMOST CHEMICAL CORP		3915 AIR PARK ST.	MEMPHIS TN	38118
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
004400	U.S. SANITIZING COMPANY, INC.		3372 N. HOLTON ST.	MILWAUKEE WI	53212
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
005991	THEOCHEM LABORATORIES INC	AGENT FOR: TIME PRODUCTS INC	7373 ROWLETT PARK DR	TAMPA FL	33610
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
007116	U.N.X. INC.		BOX 7206	GREENVILLE NC	27835
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010508	CHEMIDYNE CORP		PO BOX 171	MACEDONIA OH	44056
040510	U.S. ARMY NATICK RD&E CENTER		STRNC-YM (DR. ROWLEY)	NATICK MA	01760
065020	BIOSENTRY, INC		1481 ROCK MOUNTAIN BLVD	STONE MOUNTAIN GA	30083

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
057425	EUGENE P. DEATRICK	AGENT FOR: CONTROL CHEMICALS (PTY)	1013 EAST TAYLOR RUN PARKWAY	ALEXANDRIA VA	22302
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058880	P.D.Q. OF GEORGIA, INC.		3920 NORTH PEACHTREE ROAD	CHAMBLEE GA	30341
062498	PRIDE MFG. INC.		1001 OLYMPIA DR.	PEORIA IL	61615
063287	CHEM TAB	DIVISION OF OLDE TYME PRODUCTS, IN	1253 E. ARTESIA BLVD.	CARSON CA	90746
064864	PACE INTERNATIONAL, L.P.		BOX 558	KIRKLAND WA	98083
065020	BIOSENTRY, INC		1481 ROCK MOUNTAIN BLVD	STONE MOUNTAIN GA	30083

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
010133	NATIONAL CHEMICAL	DIV OF SELIG CHEM IND	BOX 43186	ATLANTA GA	30336
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010190	PENETONE CORPORATION		74 HUDSON AVE	TENAFLY NJ	07670
010336	AQUAPHASE LABORATORIES INC		BOX 7	GALLATIN TN	37066
010598	WORLD INDUSTRIES INTERNATIONAL, IN		17955 ARENTH AVE.	CITY OF INDUSTRY CA	91748
010634	ALPHA CHEMICAL SERVICES INC		BOX 431	STOUGHTON MA	02072
010897	HASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
011411	LESLIE'S SWIMMING POOL SUPPLIES IN		BOX 2108	CHATSWORTH CA	91313
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
012465	ADVANCED LAORATORIES	E-Z CLOR SYSTEMS, INC	1920 BELT WAY DR BOX 1368	ST LOUIS MO	63114
018031	NATIONAL SWIMMING POOL PRODUCTS IN		775 RIVER ST	PATTERSON NJ	07524
033906	SRS INTERNATIONAL	AGENT FOR: NISSAN CHEMICAL INDUSTR	1625 K ST NW SUITE 975	WASHINGTON DC	20036
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
036284	ORTEX PRODUCTS OF CALIFORNIA, INC		701 HARITON ST	ORANGE CA	92668
037982	ALL-PURE CHEMICAL CO		26700 S. BANTA RD - BOX 268	TRACY CA	95376
039118	BESST CHEMICALS INC		BAYAMON GARDENS STATION BOX 4112	BAYAMON PR	00958
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
043521	SWINCHEM, INC		1702 YOUT ST	RACINE WI	53404
043973	POOLTIME PRODUCTS INC.		2120 HUNTINGTON DR.	SOUTH PASADENA CA	91030
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
045387	SCIENTIFIC WATER SYSTEMS		BOX 52886	LAFAYETTE LA	70505
046183	SAFEWAY INDUSTRIES, INC.		3372 N. HOLTON STREET	MILWAUKEE WI	53212
048242	RAM CHEMICAL & SUPPLY		9836 CLAY RD.	HOUSTON TX	77080
048925	DESPO CHEMICALS INT'L., INC.		395 FRONT STREET.	PERT AMBOY NJ	08861
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442
053346	APS INDUSTRIES		746 SOUTHERN AVE.	ORANGE CA	92665
053892	CAREFREE CHEMICAL CO	A DIV. OF NAUTILUS INDUSTRIES, INC	11397 SLATER AVE	FOUNTAIN VALLEY CA	92708
054998	CAPO INDUSTRIES, LTD.		2296 KENMORE AVE	BUFFALO NY	14207

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081404 Sodium dichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000602	PURINA MILLS, INC.		BOX 66812	ST LOUIS MO	63166
000833	ALEX C. FERGUSSON, INC		SPRING MILL DR	FRAZER PA	19355
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
001072	BABSON BROTHERS COMPANY, CHEMICAL		1354 ENTERPRISE DRIVE	ROMEOVILLE IL	60441
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
001677	ECOLAB INC.		370 WABASHA ST. ECOLAB CENTER	ST PAUL MN	55102
003432	N. JONAS & CO., INC.		4520 ADAMS CIRCLE BOX 425	BENSALEM PA	19020
003522	LUSEAUX LABS INC		16816 SO GRAMERCY PL.	GARDENIA CA	90247
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003640	STEARNS PACKAGING CORP.		BOX 3216	MADISON WI	53704
004462	USC A DIVISION OF HYDRITE CHEMICAL		300 N PATRICK BLVD	BROOKFIELD WI	53045
004524	H.B. FULLER COMPANY		3900 JACKSON ST., N.E.	MINNEAPOLIS MN	55421
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
006809	HAWLEY H F CHEMICAL CO		BOX 8899 2511 W LANE	STOCKTON CA	95208
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007350	CHASKA CHEMICAL COMPANY		12502 XENWOOD AVE. SOUTH	SAVAGE MN	55378
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007547	WESTERN WATER MANAGEMENT, INC.		1345 TANEY BOX 7469	NO KANSAS CITY MO	64116
007616	CHEM LAB PRODUCTS INC		5160 E. AIRPORT DR.	ONTARIO CA	91761
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008540	GARRATT CALLAHAN COMPANY		111 ROLLINS RD	MILLBRAE CA	94031
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
008866	ARCO INDUSTRIES, INC.		4871 NO. 119TH STREET	MILWAUKEE WI	53225
008959	APPLIED BIOCHEMISTS, INC		6120 W DOUGLAS AVE	MILWAUKEE WI	53218
009152	MORGAN-GALLACHER INC		8707 MILLERGROVE DR	SANTE FE SPRINGS CA	90670

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
053346	APS INDUSTRIES		746 SOUTHERN AVE.	ORANGE CA	92665
053735	KING TECHNOLOGY INC.		9909 SMETANA DR.	MINNETONKA MN	55343
054998	CAPO INDUSTRIES, LTD.		2296 KENMORE AVE	BUFFALO NY	14207
057091	EDWARD W LYLE	AGENT FOR: FERTILIZERS & CHEMICALS	1275 PENNSYLVANIA AVE SUITE 202	WASHINGTON DC	20004
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058401	STELLAR MANUFACTURING CO		131 BYASSEE DR	ST LOUIS MO	63042
062498	PRIDE MFG. INC.		1001 OLYMPIA DR.	PEORIA IL	61615
063041	CUSTOM POOLS OF HOUSTON		1200 BLALOCK SUITE 312	HOUSTON TX	77055

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010336	AQUAPHASE LABORATORIES INC		BOX 7	GALLATIN TN	37066
010598	WORLD INDUSTRIES INTERNATIONAL, IN		17955 ARENTH AVE.	CITY OF INDUSTRY CA	91748
010707	BAKER PERFORMANCE CHEMICALS, INC.		3920 ESSEX LANE	HOUSTON TX	77227
010897	HASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
011329	ALADDIN CHEMICAL COMPANY		22001 INDUSTRIAL BLVD.	ROGERS MN	55374
011411	LESLIE'S SWIMMING POOL SUPPLIES IN		BOX 2108	CHATSWORTH CA	91313
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
012465	ADVANCED LAORATORIES	E-Z CLOR SYSTEMS, INC	1920 BELT WAY DR BOX 1368	ST LOUIS MO	63114
012477	ECONOMY SERVICE & SALES COMPANY		4252 WHITAKER AVE.	PHILADELPHIA PA	19124
013812	WATCON INC		2215 MAIN ST	SOUTH BEND IN	46613
015300	CHEMTREAT, INC.		500 LICKINGHOLE RD-HANOVER INDUSTR	ASHLAND VA	23005
027581	MIDLAND RESEARCH LAB., INC.		10850 MID AMERICA AVENUE	LENEXA KS	66219
033458	ALLIED UNIVERSAL CORP.		8350 N.W. 93 STREET	MIAMI FL	33166
033906	SRS INTERNATIONAL	AGENT FOR: NISSAN CHEMICAL INDUSTR	1625 K ST NW SUITE 975	WASHINGTON DC	20036
033980	PAZIANOS ASSOC	AGENT FOR: SHIKOKU CHEMICALS CORP	1338 G ST SE	WASHINGTON DC	20003
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
036284	ORTEX PRODUCTS OF CALIFORNIA, INC		701 HARITON ST	ORANGE CA	92668
037428	OK POOL SERVICE, INC		7295 BIRD ROAD	MIAMI FL	33155
037982	ALL-PURE CHEMICAL CO		26700 S. BANTA RD - BOX 268	TRACY CA	95376
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
041702	STEELCRETE CO		45700 W 12 MILE RD BOX 636	NOVI MI	48376
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
043973	POOLTIME PRODUCTS INC.		2120 HUNTINGTON DR.	SOUTH PASADENA CA	91030
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
045387	SCIENTIFIC WATER SYSTEMS		BOX 52886	LAFAYETTE LA	70505
046043	SUNCOAST CHEMICAL CO		14480 62ND ST N	CLEARWATER FL	34618
047033	CASCADE WATER SERVICES INC.		49 BLOOMINGDALE ROAD	HICKSVILLE NY	11801
048242	RAM CHEMICAL & SUPPLY		9836 CLAY RD.	HOUSTON TX	77080
048520	PHOENIX CHEMICAL CO		8 FAIRFIELD COURT	DANBURY CT	06811
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081405 Trichloro-s-triazinetrione

Company Number	Company Name	Additional Name	Address	City & State	Zip
000148	HARCROS CHEMICALS INC.		BOX 2930	KANSAS CITY KS	66110
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000541	PURITAN/CHURCHILL CHEMICAL CO.		916 ASHBY STREET, N.W.	ATLANTA GA	30318
001020	OAKITE PRODUCTS INC		50 VALLEY RD	BERKELEY HEIGHTS NJ	07922
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
002136	HOFFMAN, J.L. CO., INC.		BOX 8656	ALLENTOWN PA	18105
003432	N. JONAS & CO., INC.		4520 ADAMS CIRCLE BOX 425	BENSALEM PA	19020
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003876	BETZ LABORATORIES, INC.		4636 SOMERTON ROAD	TREVOSE PA	19053
004582	COLGATE PALMOLIVE CO	INSTITUTIONAL PRODUCTS DIVISION	101 N SUMMIT ST	TENAFLY NJ	07670
004591	LYNDE CO		3040 EAST HENNEPIN AVE	MINNEAPOLIS MN	55413
004643	DEARBORN DIVISION	W. R. GRACE & CO-CONN.	300 GENESEE ST	LAKE ZURICH IL	60047
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
006199	ICI AMERICAS INC		CONCORD PIKE AND NEW MURPHY RD	WILMINGTON DE	19897
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007152	SEABOARD INDUSTRIES		185 VAN WINKLE AVE.	HAWTHORNE NJ	07507
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007616	CHEM LAB PRODUCTS INC		5160 E. AIRPORT DR.	ONTARIO CA	91761
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
008866	ARCO INDUSTRIES, INC.		4871 NO. 119TH STREET	MILWAUKEE WI	53225
008959	APPLIED BIOCHEMISTS, INC		6120 W DOUGLAS AVE	MILWAUKEE WI	53218
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
009291	POOL TROL PRODUCTS		225 PASSAIC STREET	PASSAIC NJ	07055
010147	BIRKO CORPORATION		BOX 530	WESTMINSTER CO	80030

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
041831	PARK CORPORATION		511 LAKE ZURICH ROAD	BARRINGTON IL	60010
042177	YORK CHEMICAL CORPORATION		3309 E CARPENTER FREEWAY	IRVING TX	75062
042446	GARNET LABORATORIES INC		PO BOX 90226-2315 FELECIA ST	NASHVILLE TN	37209
043680	WEAS ENGINEERING INC.		BOX 816	CARMEL IN	46032
045309	AQUA CLEAR INDUSTRIES, INC.		20 KAIRNES STREET BOX 5430	ALBANY NY	12205
047033	CASCADE WATER SERVICES INC.		49 BLOOMINGDALE ROAD	HICKSVILLE NY	11801
048211	INTERCON CHEMICAL		3647 BELL AVENUE	ST. LOUIS MO	63108
049292	FORMULA CORP		2383 A 200TH ST	SEATTLE WA	98108
050600	SHEPHARD BROTHERS		509 W. LAMBERT RD.	BREA CA	92621
051624	WATER TECHNOLOGY & CONTROLS INC.		PO BOX 8808 106-A SOUTH WALNUT CIR	GREENSBORO NC	27419
053254	3-V CHEMICAL CORP.		P. O. DRAWER Y	GEORGETOWN SC	29442
057787	HAVILAND CONSUMER PRODUCTS, INC.		1855 TURNER AVENUE, NW	GRAND RAPIDS MI	49504
058262	JEM SALES, INC., INCHEMCO DIV.		430 LAVENDER DR.	ROME GA	30161
062353	SC CHEMICAL		6000 DENTON DRIVE BOX 35185	DALLAS TX	75235

List of All Registrants Sent This Data Call-In Notice

Case # and Name
0569 Chlorinated Isocyanurates
Chemical # and Name
081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
006198	NATIONAL CHEMICALS INC		105 LIBERTY STREET BOX 32	WINONA MN	55987
006284	RICHEY INDUSTRIES, INC.		BOX 928	MEDINA OH	44258
007124	ALDEN LEEDS INC		55 JACOBUS AVE.	SOUTH KEARNY NJ	07032
007152	SEABOARD INDUSTRIES		185 VAN WINKLE AVE.	HAWTHORNE NJ	07507
007364	GREAT LAKES BIOCHEMICAL CO., INC.		6120 WEST DOUGLAS AVENUE	MILWAUKEE WI	53218
007368	GROW GROUP, INC.		2501 MALT AVENUE	CITY OF COMMERCE CA	90040
007546	U S CHEMICAL	A DIVISION OF HYDRITE CHEMICAL CO	300 N PATRICK BLVD	BROOKFIELD WI	53008
008033	NISSO AMERICA INC	AGENT FOR: NIPPON SODA CO LTD	220 E 42ND ST SUITE 3002	NEW YORK NY	10017
008405	WEBCO CHEMICAL CORP		BOX 340	WEBSTER MA	01570
008544	GPS INDUSTRIES		13280 AMAR RD	CITY OF INDUSTRY CA	91746
008791	RECKITT & COLEMAN HOUSEHOLD PRODUC		1920 BELTW WAY DRIVE	ST. LOUIS MO	63114
009157	OLIN CORP		350 KNOTTER DR BOX 586	CHESHIRE CT	06410
009215	AQUA TRI		17872 MITCHELL BOX 17148	IRVINE CA	92713
009409	SARATOGA SPECIALTIES	CHEMICALS DIVISION	150 RAILROAD AVENUE	NORTHLAKE IL	60164
009411	KENCO CHEMICAL CO., INC.		BOX 912	SCHENECTADY NY	12301
010079	JERSEY CHEMICALS INC		775 RIVER ST	PATERSON NJ	07524
010182	ICI AMERICAS INC	AGRICULTURAL PRODUCTS	NEW MURPHY ROAD & CONCORD PIKE	WILMINGTON DE	19897
010428	WESMAR COMPANY, INC.		1451 NW 46TH	SEATTLE WA	98107
010634	ALPHA CHEMICAL SERVICES INC		BOX 431	STOUGHTON MA	02072
010897	HASA,INC.		23119 DRAYTON ST.	SAUGUS CA	91350
010932	AQUA-SERV ENGINEERS, INC		13560 COLOMBARD CT	FONTANA CA	92335
011329	ALADDIN CHEMICAL COMPANY		22001 INDUSTRIAL BLVD.	ROGERS MN	55374
012014	A & V INC		N62 W22632 VILLAGE DRIVE	SUSSEX WI	53089
021164	RIO LINDA CHEMICAL CO, INC		410 N. 10TH ST	SACRAMENTO CA	95814
033980	PAZIANOS ASSOC	AGENT FOR: SHIKOKU CHEMICALS CORP	1338 G ST SE	WASHINGTON DC	20003
034571	BETZ ENTEC INCORPORATED		508 PRUDENTIAL RD.	HORSHAM PA	19044
035495	CHEMAX		5700 NW FRONT AVENUE	PORTLAND OR	97210
037428	OK POOL SERVICE, INC		7295 BIRD ROAD	MIAMI FL	33155
040871	CHEMLAND INC.		BOX 2999	TURLOCK CA	95381
041134	ELF ATOCHEM N.A. INC	AGENT FOR: ELF ATOCHEM S.A.	900 FIRST AVE BOX 1536	KING OF PRUSSIA PA	19406
041702	STEELCRETE CO		45700 W 12 MILE RD BOX 636	NOVI MI	48376

List of All Registrants Sent This Data Call-In Notice

Case # and Name

0569 Chlorinated Isocyanurates

Chemical # and Name

081407 Sodium dichloroisocyanurate dihydrate

Company Number	Company Name	Additional Name	Address	City & State	Zip
000148	HARCROS CHEMICALS INC.		BOX 2930	KANSAS CITY KS	66110
000178	PURDY PRODUCTS COMPANY		BOX 456	WAUCONDA IL	60084
000230	OLIN CORPORATION	CDB PRODUCTS	120 LONG RIDGE ROAD	STAMFORD CT	06904
000275	ABBOTT LABORATORIES	DR. JOSEPH C. WHITE DIRECTOR, REGU	14TH AND SHERIDAN RD.	NORTH CHICAGO IL	60064
000278	MIAMI PRODUCTS & CHEMICAL COMPANY		P.O. BOX 486	DAYTON OH	45401
000524	MONSANTO CO	AGENT FOR: MONSANTO AGRICULTURAL C	700 14TH ST, N.W. SUITE 1100	WASHINGTON DC	20005
000777	L & F PRODUCTS		225 SUMMIT AVENUE	MONTVALE NJ	07645
000875	DIVERSEY CORP		12025 TECH CENTER DR	LIVONIA MI	48150
000881	RICHARDSON CHEMICAL PRODUCTS CO.		BOX 71	BUTLER WI	53007
001043	CALGON VESTAL LABORATORIES	DIVISION OF CALGON CORPORATION	BOX 147	ST LOUIS MO	63166
001072	BABSON BROTHERS COMPANY, CHEMICAL		1354 ENTERPRISE DRIVE	ROMEOVILLE IL	60441
001258	OLIN CORPORATION		BOX 586	CHESHIRE CT	06410
001270	ZEP MANUFACTURING COMPANY		BOX 2015	ATLANTA GA	30301
001275	OLIVER CHEM COMPANY INC.		2908 SPRING GROVE AVE	CINCINNATI OH	45225
001317	AN-FO MANUFACTURING COMPANY		3129 ELMWOOD AVE. BOX 7311	OAKLAND CA	94601
001677	ECOLAB INC.		370 WABASHA ST. ECOLAB CENTER	ST PAUL MN	55102
001706	NALCO CHEMICAL CO.		ONE NALCO CENTER	NAPERVILLE, IL	60563
001757	DREW INDUSTRIAL DIVISION	ASHLAND CHEMICAL, INC.	BOX 2219	COLUMBUS OH	43216
001791	SAVOLITE INC		10848 E MARGINAL WAY SO.	SEATTLE WA	98168
001816	ELF ATOCHEM N.A. INC	TURCO PRODUCTS, INC	7300 BOLSA AVE	WESTMINSTER CA	92684
002292	COUGHLAN PRODUCTS CORP		101 OLIVER ST	PATTERSON NJ	07509
003525	UTIKEM PRODUCTS	DIVISION OF QUALCO, INC.	225 PASSAIC STREET BOX 357	PASSAIC NJ	07055
003573	PROCTER & GAMBLE CO.		6060 CENTER HILL ROAD	CINCINNATI OH	45224
004313	CARROLL COMPANY		2900 W. KINGSLEY RD.	GARLAND TX	75041
004591	LYNDE CO		3040 EAST HENNEPIN AVE	MINNEAPOLIS MN	55413
004829	COSTAL INDUSTRIES		225 PASSAIC STREET	PASSAIC NJ	07055
004875	INDCO INC.		BOX 109	GLOUCESTER CITY NJ	08030
005185	BIO-LABS INC		BOX 1489	DECATUR GA	30031
005389	KAY CHEMICAL COMPANY		BOX 18407	GREENSBORO NC	27419
005768	SPURRIER CHEMICAL COMPANIES INC.		BOX 2812	WICHITA KS	67201
005870	TEXO CORP		2801 HIGHLAND AVE	CINCINNATI OH	45212

ATTACHMENT F

EPA Acceptance Criteria

SUBDIVISION D

Guideline	Study Title
Series 61	Product Identity and Composition
Series 62	Analysis and Certification of Product Ingredients
Series 63	Physical and Chemical Characteristics

61 Product Identity and Composition

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.___ Name of technical material tested (include product name and trade name, if appropriate)

2.___ Name, nominal concentration, and certified limits (upper and lower) for each active ingredient and each intentionally-added inert ingredient

3.___ Name and upper certified limit for each impurity or each group of impurities present at ≥ 0.1% by weight and for certain toxicologically significant impurities (e.g., dioxins, nitrosamines) present at <0.1%

4.___ Purpose of each active ingredient and each intentionally-added inert

5.___ Chemical name from Chemical Abstracts index of Nomenclature and Chemical Abstracts Service (CAS) Registry Number for each active ingredient and, if available, for each intentionally-added inert

6.___ Molecular, structural, and empirical formulas, molecular weight or weight range, and any company assigned experimental or internal code numbers for each active ingredient

7.___ Description of each beginning material in the manufacturing process

- ____ EPA Registration Number if registered; for other beginning materials, the following:
- ____ Name and address of manufacturer or supplier
- ____ Brand name, trade name or commercial designation
- ____ Technical specifications or data sheets by which manufacturer or supplier describes composition, properties or toxicity

8.___ Description of manufacturing process

- ____ Statement of whether batch or continuous process
- ____ Relative amounts of beginning materials and order in which they are added
- ____ Description of equipment
- ____ Description of physical conditions (temperature, pressure, humidity) controlled in each step and the parameters that are maintained
- ____ Statement of whether process involves intended chemical reactions

8. (continued)

____ Flow chart with chemical equations for each intended chemical reaction
____ Duration of each step of process
____ Description of purification procedures
____ Description of measures taken to assure quality of final product

9.___ Discussion of formation of impurities based on established chemical theory addressing (1) each impurity which may be present at $\geq$ 0.1% or was found at $\geq$ 0.1% by product analyses and (2) certain toxicologically significant impurities (see #3)

61 Product Identity and Composition

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered. Items 1, 2, 3, and 5 can be satisfied for most registered products by submission of the Certified Statement of Formula Ingredients Page (EPA Form 8570-4). Items 7 and 8 can be satisfied for most technical grade active ingredients (TGAIs) by submission of a flow chart with chemical equations for each intended chemical reaction. The flow chart should include complete chemical structures and names for each reactant and product of all the reactions.

1. Name of technical material (include product name and trade name, if appropriate).
2. Description of each active and intentionally-added inert ingredient, including name, concentration, and certified limits.
3. Name and upper limit for all impurities present at $\geq$ 0.1% and those toxicologically significant impurities present at <0.1%.
4. The purpose of each active and intentionally-added inert ingredient.
5. Chemical name and Registry Number for each active and intentionally-added inert ingredient (if available).
6. Molecular, structural, and empirical formulas, molecular weight, and any experimental or internal code number for each active ingredient.
7. Description of each beginning material in the manufacturing process.
8. Description of manufacturing process.
9. Discussion of formation of impurities based on established chemical theory.

62 Analysis and Certification of Product Ingredients

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered. Use a table to present the information in items 6, 7, and 8.

Does your study meet the following acceptance criteria?

1.___ Five or more representative samples (batches in case of batch process) analyzed for each active ingredient and all impurities present at ≥ 0.1%
2.___ Degree of accountability or closure ≥ ca 98%
3.___ Analyses conducted for certain trace toxic impurities at lower than 0.1% (examples, nitrosamines in the case of products containing dinitroanilines or containing secondary or tertiary amines/alkanolamines plus nitrites; polyhalogenated dibenzodioxins and dibenzofurans) [Note that in the case of nitrosamines both fresh and stored samples must be analyzed.]
4.___ Complete and detailed description of each step in analytical method used to analyze above samples
5.___ Statement of precision and accuracy of analytical method used to analyze above samples
6.___ Identities and quantities (including mean and standard deviation) provided for each analyzed ingredient
7.___ Upper and lower certified limits proposed for each active ingredient and intentionally added inert along with explanation of how the limits were determined
8.___ Upper certified limit proposed for each impurity present at ≥ 0.1% and for certain toxicologically significant impurities at <0.1% along with explanation of how limit determined
9.___ Analytical methods to verify certified limits of each active ingredient and impurities (latter not required if exempt from requirement of tolerance or if generally recognized as safe by FDA) are fully described
10.___ Analytical methods (as discussed in #9) to verify certified limits validated as to their precision and accuracy

62 Analysis and Certification of Product Ingredients

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered.

1. Number of representative samples analyzed for all active ingredients and all impurities at ≥ 0.1%.
2. Degree of accountability or closure in analyses in item #1.
3. Chemical names of toxic impurities which were analyzed for levels <0.1%.
4. Brief description(s) of analytical method(s) used to measure active ingredients and impurities in items #1 and #3.
5. Statement of precision and accuracy of method(s) in item #4.
6. Chemical name and quantities observed (range, mean, standard deviation) for each ingredient (actives and impurities) analyzed in item #1.
7. Proposed upper and lower certified limits for each active ingredient and intentionally added inert with brief explanation of how limits were determined.
8. Proposed upper certified limit for each impurity present at >=0.1% and certain toxicologically significant impurities at <0.1% with brief explanation of how limits were determined.
9. Brief description of analytical method(s) used to verify certified limits (if same methods as item #4, may reference latter).
10. Statement of precision and accuracy of method(s) in item #9 (may reference item #5 if applicable).

63 Physical and Chemical Characteristics

ACCEPTANCE CRITERIA

The following criteria apply to the technical grade of the active ingredient being reregistered.

Does your study meet the following acceptance criteria?

63-2 Color

___ Verbal description of coloration (or lack of it)

___ Any intentional coloration also reported in terms of Munsell color system

63-3 Physical State

___ Verbal description of physical state provided using terms such as "solid, granular, volatile liquid"

___ Based on visual inspection at about 20-25° C

63-4 Odor

___ Verbal description of odor (or lack of it) using terms such as "garlic-like, characteristic of aromatic compounds"

___ Observed at room temperature

63-5 Melting Point

___ Reported in C°

___ Any observed decomposition reported

63-6 Boiling Point

___ Reported in C°

___ Pressure under which B.P. measured reported

___ Any observed decomposition reported

63-7 Density, Bulk Density, Specific Gravity

___ Measured at about 20-25° C

___ Density of technical grade active ingredient reported in g/ml <u>or</u> the specific gravity of liquids reported with reference to water at 20° C. [Note: <u>Bulk</u> density of registered products may be reported in lbs/ft^3 or lbs/gallon.]

63-8 Solubility

___ Determined in distilled water and representative polar and non-polar solvents, including those used in formulations and analytical methods for the pesticide

___ Measured at about 20-25° C

___ Reported in g/100 ml (other units like ppm acceptable if sparingly soluble)

63-9 Vapor Pressure

___ Measured at 25° C (or calculated by extrapolation from measurements made at higher temperature if pressure too low to measure at 25° C)

___ Experimental procedure described

___ Reported in mm Hg (torr) or other conventional units

63-10 Dissociation Constant

___ Experimental method described

___ Temperature of measurement specified (preferably about 20 - 25° C)

63-11 Octanol/water Partition Coefficient

___ Measured at about 20-25° C

___ Experimentally determined and description of procedure provided (preferred method-45 Fed. Register 77350)

___ Data supporting reported value provided

63-12 pH

___ Measured at about 20 - 25° C

___ Measured following dilution or dispersion in distilled water

63-13 Stability

___ Sensitivity to metal ions and metal determined

___ Stability at normal and elevated temperatures

___ Sensitivity to sunlight determined

63 Physical and Chemical Characteristics

GUIDANCE FOR SUMMARIZING STUDIES

The following criteria apply to the technical grade of the active ingredient being reregistered.

1. Description of color.
2. Description of physical state.
3. Description of odor.
4. Indication of melting point (in C°).
5. Indication of boiling point (in C°).
6. Indication of density, bulk density, and specific gravity.
7. Indication of solubility.
8. Indication of vapor pressure.
9. Indication of dissociation constant.
10. Indication of octanol/water partition coefficient.
11. Indication of PH.
12. Description of stability.

SUBDIVISION F

Guideline	Study Title
81-1	Acute Oral Toxicity in the Rat
81-2	Acute Dermal Toxicity in the Rat, Rabbit or Guinea Pig
81-3	Acute Inhalation Toxicity in the Rat
81-4	Primary Eye Irritation in the Rabbit
81-5	Primary Dermal Irritation Study
81-6	Dermal Sensitization in the Guinea Pig
81-7	Acute Neurotoxicity in the Hen

81-1 Acute Oral Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ At least 5 young adult rats/sex/group
3.____ Dosing, single oral may be administered over 24 hrs.
4.*___ Vehicle control if other than water.
5.____ Doses tested, sufficient to determine a toxicity category or a limit dose (5000 mg/kg).
6.____ Individual observations at least once a day.
7.____ Observation period to last at least 14 days, or until all test animals appear normal whichever is longer.
8.____ Individual daily observations.
9.____ Individual body weights.
10.____ Gross necropsy on all animals.

Criteria marked with a * are supplemental and may not be required for every study.

81-1 Acute Oral Toxicity in the Rat

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g. solid, liquid, percent AI in technical, end-use product, etc.
2. The number of animals/dose/sex tested.
3. Dosing route and regimen.
4. Vehicle used
5. Doses tested and results
6. Individual observations on day of dosing and for at least 14 days.
7. Summarization of body weights
8. Summarization of gross necropsy
9. Significance of changes from the Acceptance Criteria

81-2 Acute Dermal toxicity in the Rat, Rabbit or Guinea Pig

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1._____ Identify material tested (technical, end-use product, etc)

2._____ At least 5 animals/sex/group
3.*_____ Rats 200-300 gm, rabbits 2.0-3.0 kg or guinea pigs 350-450 gm.
4._____ Dosing, single dermal.
5._____ Dosing duration at least 24 hours.
6.*_____ Vehicle control, only if toxicity of vehicle is unknown.
7._____ Doses tested, sufficient to determine a toxicity category or a limit dose (2000 mg/kg).
8._____ Application site clipped or shaved at least 24 hours before dosing
9._____ Application site at least 10% of body surface area.
10._____ Application site covered with a porous nonirritating cover to retain test material and to prevent ingestion.
11._____ Individual observations at least once a day.
12._____ Observation period to last at least 14 days.
13._____ Individual body weights.
14._____ Gross necropsy on all animals.

Criteria marked with a * are supplemental and may not be required for every study.

81-2 Acute Dermal Toxicity in the Rat, Rabbit or Guinea Pig

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. The number of animals/sex/dose
3. Weight range of animals
4. Verification of single, dermal exposure
5. Duration of dermal exposure
6. Statement of vehicle control
7. Doses tested and results
8. Preparation of application site
9. Area of application site (percent body surface)
10. Occlusion of test material on application site
11. Individual observations on day of dosing and for at least 14 days or until all animals appear normal (whichever is longer).
12. Summarization of body weights
13. Summarization of gross necropsy
14. Significance of changes from Acceptance Criteria

81-3 Acute Inhalation Toxicity in the Rat

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Product is a gas, a solid which may produce a significant vapor hazard based on toxicity and expected use or contains particles of inhalable size for man (aerodynamic diameter 15 um or less).
3.____ At least 5 young adult rats/sex/group
4.____ Dosing, at least 4 hours by inhalation.
5.____ Chamber air flow dynamic, at least 10 air changes/hour, at least 19% oxygen content.
6.____ Chamber temperature, 22° C (±2), relative humidity 40-60%.
7.____ Monitor rate of air flow
8.____ Monitor actual concentrations of test material in breathing zone.
9.____ Monitor aerodynamic particle size for aerosols.
10.____ Doses tested, sufficient to determine a toxicity category or a limit dose (5 mg/L actual concentration of respirable substance).
11.____ Individual observations at least once a day.
12.____ Observation period to last at least 14 days.
13.____ Individual body weights.
14.____ Gross necropsy on all animals.

81-3 Acute Inhalation Toxicity in the Rat

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. Statement of the inhalability of test substance
3. The number of animals/sex/dose
4. Duration of inhalation exposure
5. Number of chamber air changes/hour and the percent oxygen content of chamber air
6. Ranges for chamber air temperature and relative humidity
7. Air flow rate
8. Analytical concentrations of test material in breathing zone
9. Results of aerosol particle-size determination
10. Doses tested (or limit dose of 5mg/L or highest attainable)
11. Individual observations on day of dosing and for at least 14 days.
12. Summarization of body weights
13. Summarization of gross necropsy
14. Significance of changes from Acceptance Criteria

81-4 Primary Eye Irritation in the Rabbit

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Study not required if material is corrosive, causes severe dermal irritation or has a pH of ≤ 2 or ≥ 11.5.
3.____ 6 adult rabbits
4.____ Dosing, instillation into the conjunctival sac of one eye per animal.
5.____ Dose, 0.1 ml if a liquid; 0.1 ml or not more than 100 mg if a solid, paste or particulate substance.
6.____ Solid or granular test material ground to a fine dust.
7.____ Eyes not washed for at least 24 hours.
8.____ Eyes examined and graded for irritation before dosing and at 1, 24, 48 and 72 hr, then daily until eyes are normal or 21 days (whichever is shorter).
9.*___ individual daily observations.

Criteria marked with a * are supplemental and may not be required for every study.

81-4 Primary Eye Irritation in the Rabbit

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive, cause severe dermal irritation or has a pH of <2 or >11.5
3. Number of adult rabbits tested
4. State method of dosing, i.e., instillation into the conjunctival sac of one eye per animal
5. Dose administered
6. Note whether solid or granular test material has been ground to a fine dust
7. State whether eyes were washed and at what time post instillation (not less than 24 hours)
8. State whether eyes were examined and graded for irritation before dosing and at what periods after dosing
9. Individual daily observations afterwards, until eyes are normal or for 21 days
10. Significance of changes from Acceptance Criteria

81-5 Primary Dermal Irritation Study

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1._____ Identify material tested (technical, end-use product, etc)
2._____ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3._____ 6 adult animals.
4._____ Dosing, single dermal.
5._____ Dosing duration 4 hours.
6._____ Application site shaved or clipped at least 24 hours prior to dosing
7._____ Application site approximately 6 cm.
8._____ Application site covered with a gauze patch held in place with nonirritating tape
9._____ Material removed, washed with water, without trauma to application site
10._____ Application site examined and graded for irritation at 1, 24, 48 and 72 hr, then daily until normal or 14 days (whichever is shorter).
11.*____ Individual daily observations.

Criteria marked with a * are supplemental and may not be required for every study.

81-5 Primary Dermal Irritation Study

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive, has a pH <2 or >11.5, or has a dermal LD 50 <200 mg/kg
3. Number of adult animals tested
4. Amount applied
5. Duration of dermal exposure
6. Preparation of application site (shaved or clipped at specified time before dosing)
7. Area of application site
8. Method for occlusion of application site
9. Note removal of test material and if skin was washed with water
10. State times post application when site was graded for irritation
11. Individual observations for day of dosing and individual daily observations thereafter
12. Significance of changes from Acceptance Criteria.

81-6 Dermal Sensitization in the Guinea Pig

ACCEPTANCE CRITERIA

dose your study meet the following acceptance criteria?

1.____ Identify material tested (technical, end-use product, etc)
2.____ Study not required if material is corrosive or has a pH of ≤ 2 or ≥ 11.5.
3.____ One of the following methods is utilized;
    _____ Freund's complete adjuvant test
    _____ Guinea pig maximization test
    _____ Split adjuvant technique
    _____ Buehler test
    _____ Open epicutaneous test
    _____ Mauer optimization test
    _____ Footpad technique in guinea pig
4.____ Complete description of test
5.*___ Reference for test.
6.____ Test followed essentially as described in reference document.
7.____ Positive control included (may provide historical data conducted within the last 6 months)

Criteria marked with a * are supplemental and may not be required for every study.

81-6 Dermal Sensitization in the Guinea Pig

GUIDANCE FOR SUMMARIZING STUDIES

1. The form of pesticide tested, e.g., solid, liquid, percent AI in technical, end-use product, etc.
2. State if material is corrosive or has pH <2 or >11.5.
3. State specific method utilized
4. Complete description of specific method
5. Reference for the specific method employed
6. Note adherence of the protocol to that in the reference for the specific method utilized
7. State the positive control tested
8. Significance of changes from Acceptance Criteria

81-7 Acute Neurotoxicity in the Hen

ACCEPTANCE CRITERIA

Does your study meet the following acceptance criteria?

1.____ Study performed on an organophosphate cholinesterase inhibiting compound.
2.____ Technical form of the active ingredient tested.
3.*___ Positive control utilized.
4.____ Species utilized, domestic laying hen 8-14 months of age.
5.____ Dosing oral by gavage or capsule (dermal or inhalation may be used).
6.____ An acute oral LD is determined.
7.____ Dose tested equal to an acute oral LD or a limit test of 5000 mg/kg.
8.*___ Dosed animals may be protected with atropine and/or 2-PAM.
9.____ Sufficient test animals so that at least 6 survive.
10.____ Negative (vehicle) control group of at least 6 hens
11.*___ Positive control of at least 4 hens. (if used)
12.____ Test dose repeated if no signs of delayed neurotoxicity observed by 21 days after dosing.
13.____ Observation period 21 days after each dose.
14.____ Individual daily observations.
15.____ Individual body weights.
16.____ Individual necropsy not required.
17.____ Histopathology performed on all animals. Tissue to be fixed in sin preferably using whole animal perfusion techniques. At least three sections of each of the following tissues:
_____brain, including medulla oblongata
_____spinal cord; upper cervical, mid-thoracic and lumbro-sacral regions
_____tibial nerve; proximal regions and branches
_____sciatic nerve

Criteria marked with a * are supplemental and may not be required for every study.

ATTACHMENT G

Cost Share and Data Compensation Forms

United States Environmental Protection Agency
Washington, DC 20460

CERTIFICATION WITH RESPECT TO DATA COMPENSATION REQUIREMENTS

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 3-31-96

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, DC 20460; and to the Office of Management and Budget, Paperwork Reduction Project (2070-0106), Washington, DC 20503.

Please fill in blanks below.

Company Name	Company Number
Product Name	EPA Reg. No.

I Certify that:

1. For each study cited in support of registration or reregistration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) that is an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter to cite that study.

2. That for each study cited in support of registration or reregistration under FIFRA that is NOT an exclusive use study, I am the original data submitter, or I have obtained the written permission of the original data submitter, or I have notified in writing the company(ies) that submitted data I have cited and have offered to: (a) Pay compensation for those data in accordance with sections 3(c)(1)(D) and 3(c)(2)(D) of FIFRA; and (b) Commence negotiation to determine which data are subject to the compensation requirement of FIFRA and the amount of compensation due, if any. The companies I have notified are: (check one)

   [ ] The companies who have submitted the studies listed on the back of this form or attached sheets, or indicated on the attached "Requirements Status and Registrants' Response Form,"

3. That I have previously complied with section 3(c)(1)(D) of FIFRA for the studies I have cited in support of registration or reregistration under FIFRA.

Signature	Date
Name and Title (Please Type or Print)	

GENERAL OFFER TO PAY: I hereby offer and agree to pay compensation to other persons, with regard to the registration or reregistration of my products, to the extent required by FIFRA sections 3(c)(1)(D) and 3(c)(2)(D).

Signature	Date
Name and Title (Please Type or Print)	

United States Environmental Protection Agency
Washington, DC 20460

CERTIFICATION OF OFFER TO COST SHARE IN THE DEVELOPMENT OF DATA

Form Approved
OMB No. 2070-0107
2070-0057
Approval Expires 3-31-96

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, DC 20460; and to the Office of Management and Budget, Paperwork Reduction Project (2070-0106), Washington, DC 20503.

Please fill in blanks below.

Company Name	Company Number
Product Name	EPA Reg. No.

I Certify that:

My company is willing to develp and submit the data required by EPA under the authority of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), if necessary. However, my company would prefer to enter into an agreement with one or more registrants to develop jointly or share in the cost of developing data.

My firm has offered in writing to enter into such an agreement. That offer was irrevocable and included an offer to be bound by arbitration decision under section 3(c)(2)(B)(iii) of FIFRA if final agreement on all terms could not be reached otherwise. This offer was made to the following firm(s) on the following date(s):

Name of Firm(s)	Date of Offer

Certification:

I certify that I am duly authorized to represent the company name above, and that the statements that I have made on this form and all attachments therein are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature of Company's Authorized Representative	Date
Name and Title (Please Type or Print)	

THE LABEL

EPA'S SECTION 3 REGULATIONS KEYED FOR BOTH RESTRICTED USE AND GENERAL

PRESENTED BY JERRY A. MOORE, ACTING CHIEF, EPA STANDARDS AND LABELING.

The pesticide label is the final result of the registration and/or reregistration process and reflects the risks and benefits of a given pesticide to the user. The label is not only the primary source of information to the user, it is also the primary tool of pesticide regulation. The label, in a sense, is a legal document. Improvement of pesticide labels benefits both the industry and the public.

The reregistration process provides for overall improvement in labels. Certain of the changes in label are requirements, other changes are recommendations. The charts that follow will clearly indicate what is required and what is preferred. It is hoped that avoidance of all-inclusive requirements will allow flexibility in those labels which may not fit the more standard situations.

The Section 3 Regulations require that certain statements must appear at certain locations on the label. The designation of specific areas of the label for specific information is known as format labeling. This is not a new concept, i.e., signal words have been required to appear on the front panel. The application of the concept to the entire label is new. If pesticide users know to look at the same locations on labels for certain kinds of information, we should be able to better train and educate people, thus improving the understanding of the proper use of pesticides. We ask your cooperation in making the format label a viable concept. We recognize the potential conflict between marketing concepts of product identity and the standardization which results from format labeling. However, the primary purpose of the pesticide label is a means of use communication and regulation. Marketing is a secondary purpose, although a very real purpose. Leeway for product individuality is provided in format labels, but only with the recognition that the label is a legal document to instruct the user on use and safety. As you might expect, there is less leeway in the case of RESTRICTED use labels since these products are not for use by the general public.

The tables on the following pages outline the basic elements of the pesticides label and are keyed to the sample labels which are found on the front and back covers of this magazine. These sample labels represents a typical three panel label for a RESTRICTED USE product of highest toxicity and a three panel label for a GENERAL Classification product. In the tables, Column 2 identified each label element. Column 3 outlines the applicability of the requirement. Columns 4 and 5 describe the location of the element on the label and indicate what is required and what is recommended. Column 6 contains any additional comments or information on format.

Type Size Requirements

The table below will serve as a guide for the type size requirements on various sized labels:

Size of label on front panel in square inches	Signal Word as Required Minimum Type Size All Capitals	"Keep Out of Reach of Children" as Required
5 and under	6 point	6 point
above 5 to 10	10 point	6 point
above 10 to 15	12 point	8 point
above 15 to 30	14 point	10 point
over 30	18 point	12 point

ITEM	LABEL ELEMENT	OF REQUIREMENT	REQUIRED	PREFERRED	
1	Product Name	All Products	Front Panel	Center front panel	
2	Company Name and Address	All Products	None	Bottom front panel or end of label text	If registrant is not the producer, must be qualified by "Packed for ***" "Distributed by ***", etc
3	Net Contents	All Products	None	Bottom front panel or end of label text	May be in metric units in addition to U.S. units
4	EPA Reg. No.	All Products	None	Front Panel	Must be in similar type size and run parallel to other type
5	EPA Est. No.	All Products	None	Front panel, immediately before or following Reg. No.	May appear on the container instead of the label
6a	Ingredients Statement	All Products	Front Panel	Immediately following product name	Text must run parallel with other text on the panel
6b	Pounds/Gallon Statement	Liquid products where dosage given as lbs ai/unit area	Front Panel	Directly below the main ingredients statement	
7	FRONT PANEL PRECAUTIONARY STATEMENTS	All Products	Front Panel		All front panel precautionary statements must be grouped together; preferably blocked
7a	Keep Out of Reach of Children (Child Hazard Warning)	All Products	Front Panel	Above signal word	Note type size requirements
7b	Signal Word	All Products	Front Panel	Immediately below Child Hazard Warning	Note type size requirements
[illegible]	Skull & Crossbones and word "POISON" (in red)	All products which are Category I based on oral, dermal or inhalation toxicity	Front Panel	Both in close proximity to signal word	
7d	Statement of Practical Treatment	All products in Categories I, II, and III	*Category I:* Front panel unless referral statement is used. *Others:* Grouped with side panel precautionary statements	Front panel for all	
7e	Referral Statement	All products where precautionary labeling appears on other than front panel	Front Panel		
8	SIDE/BACK PANEL PRECAUTIONARY STATEMENTS	All Products	None	Top or side of back panel preceding Directions for Use	Must be grouped under the headings given in 8a, 8b, and 8c; Preferably blocked
8a	Hazards to Humans and Domestic Animals	All Products in Categories I, II, and III	None	Same as above	Must be preceded by appropriate signal word
8b	Environmental Hazards	All Products	None	Same as above	Environmental hazards include the bee caution where applicable

Size of Label on Front Panel in Square Inches	Signal Word as Required Minimum Type Size All Capitals	"Keep Out of Reach of Children" as Required
5 and under	6 point	6 point
above 5 to 10	10 point	6 point
above 10 to 15	12 point	8 point
above 15 to 30	14 point	10 point
over 30	18 point	12 point

•

–BODONI BOLD 18 & 12 Pt.–

.POISON . DANGER . WARNING . CAUTION.

KEEP OUT OF REACH OF CHILDREN

Keep Out of Reach of Children

•

–BODONI BOLD 14 & 10 Pt.–

.POISON . DANGER . WARNING . CAUTION.

KEEP OUT OF REACH OF CHILDREN

Keep Out of Reach of Children

•

–BODONI BOLD 12 & 8 Pt.–

.POISON . DANGER . WARNING . CAUTION.

KEEP OUT OF REACH OF CHILDREN

Keep Out of Reach of Children

•

–BODONI BOLD 10 & 6 Pt.–

.POISON . DANGER . WARNING . CAUTION.

KEEP OUT OF REACH OF CHILDREN

Keep Out of Reach of Children

•

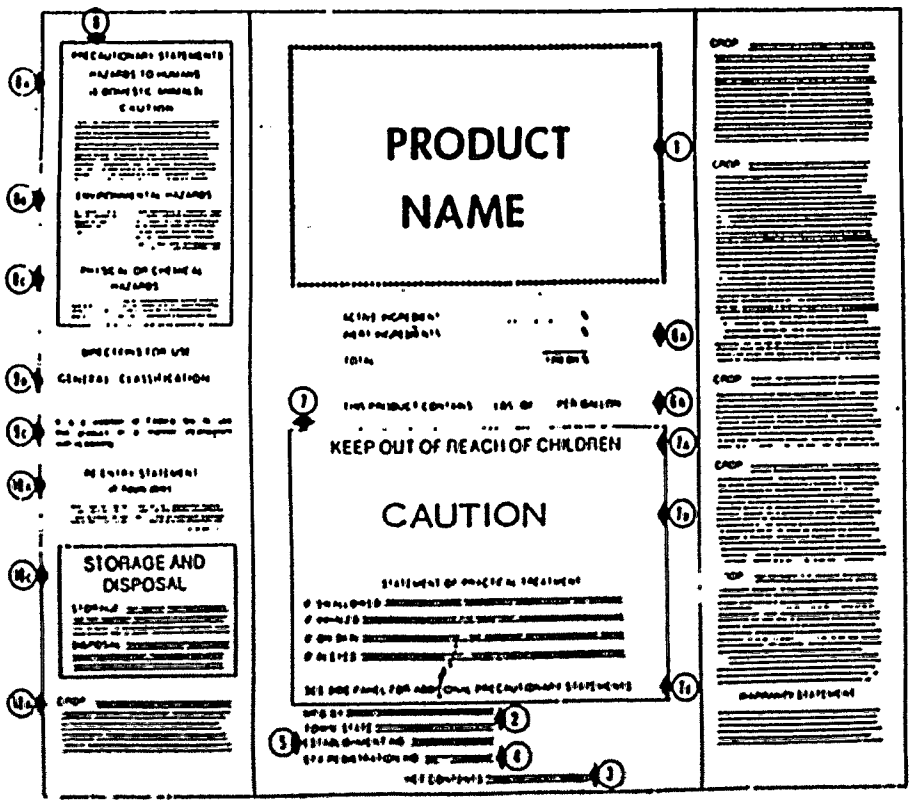
–BODONI BOLD 6 Pt.–

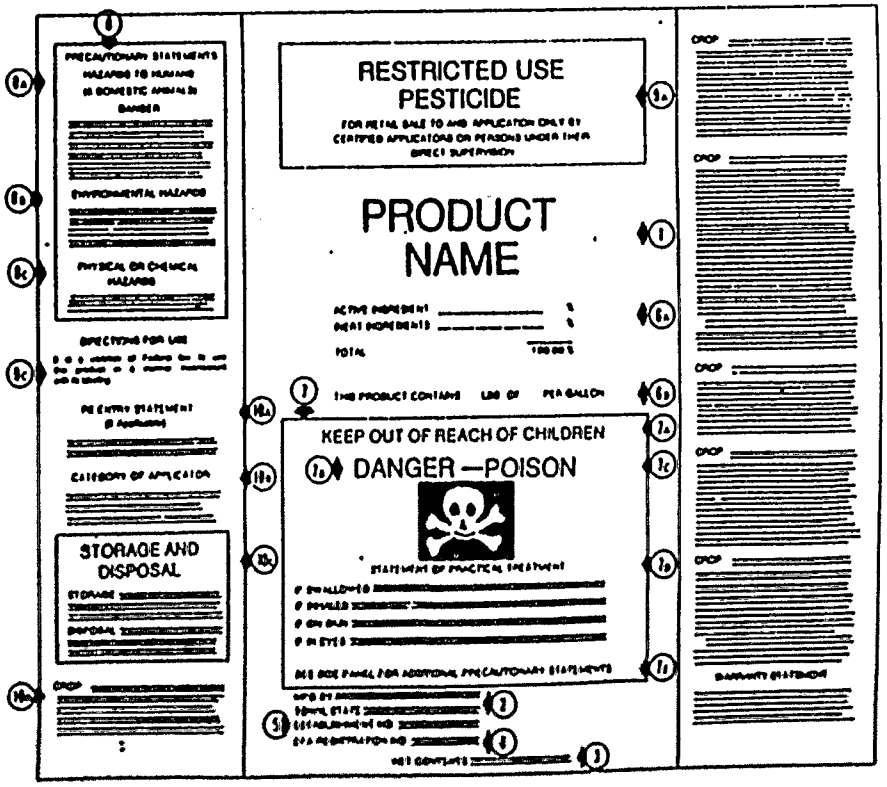
.POISON . DANGER . WARNING . CAUTION.

KEEP OUT OF REACH OF CHILDREN

Keep Out of Reach of Children

9c	Physical or Chemical Hazards	All pressurized products; others with flash points under 150°F	None	Same as above	
9d	Restricted Block	All RESTRICTED products	Top center of	Preferably blocked front panel	Includes a statement of the terms of restriction. The words "RESTRICTED USE PESTICIDE" must be the same type size as signal word.
9b	Statement of Classification	All products classified GENERAL	Immediately following heading of Directions for Use		
9c	Misuse Statement	All products	Immediately following Statement of Classification or head of Directions for Use		
10a	Re-entry Statement	All cholinesterase inhibitors	In the Directions for Use	Immediately after Misuse Statement	
10b	Category of Applicator	All RESTRICTED products	In the Directions for Use	Immediately after Re-entry Statement (when used)	
10c	Storage and Disposal Block	All products	In the Directions for Use	Immediately before specific directions for use or at the end of directions for use	Must be grouped together, and preferably blocked. Heading must be same type size as Child Hazard Warning
10d	Directions for Use	All products	None	None	May be in metric units as well as U.S. units.





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