EPA Registration # 66330-31

Volume 4

Product ingredient source information may be entitled to confidential treatment

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

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

FEE

DP BARCODE: 422162; **Reg. No. /FILE SYMBOL No.**: 66330-31; **PRODUCT NAME**: Captan Technical; **DECISION NO.**: 492132; **PC CODE(s)**: 081301; **ACTION CODE:** R351: **FOOD USE:** Yes

DATE: **March 3, 2015**

SUBJECT: **Product Chemistry Review of Captan Technical**

FROM: **Akiva Abramovitch, Ph.D.**
CITAB / RD (7505P)

THROUGH: **Shyam Mathur, Ph.D.**
Product Chemistry Team Leader
CITAB /RD (7505P)

SBM 03/8/15

TO: **Lindsay Roe/Tony Kish, PM 22**
Fungicide Branch / RD (7505C)

Company Name: Arysta LifeScience NA
Formulation Type: Technical

INTRODUCTION:

The applicant submitted an application for approval of the amendment to add an alternate manufacturing source of manufacturing use product "Captan Technical" (EPA Reg. No. 66330-31). The alternate manufacturer is [redacted]. In support of the application, the applicant submitted Group A in MRID 494574-01 (process, etc) and MRID 493996-01 for the five batch analysis. Group B product chemistry data was cited.

The CSF for the currently approved basic formulation was dated 08/31/2011 listing a manufacturing site in [redacted]. Captan was listed on the CSF at a nominal concentration of 95.9%. The proposed alternate manufacturing site by [redacted]. has two proposed CSFs for Alternate Formulation #2 and #3 (dated 09/02/2014 and 11/14/14, respectively) differ in the type and percentage of [redacted]. CITAB has been asked to determine the acceptability of the product chemistry data and alternate CSFs for the manufacturing site in [redacted].

SUMMARY OF FINDINGS:

1. Group A guidelines:

830.1550 (product identity & composition)

Active ingredient and process-related impurities were adequately described (MRID 494574-01 and Alternate CSFs dated 09/02/2014 and 11/14/2014). The nominal concentration of the active ingredient proposed on the Alternate CSFs (95.49%, nominal) is the average derived from the 5-batch preliminary analysis (see Page 12 of the confidential attachment in MRID 493996-01), and is substantially similar to that (95.917%) given on the currently approved basic CSF (dated 08/31/2011) and the product label.

830.1600 (description of materials used to produce the product)

No data was submitted for this guideline. The registrant should provide a certified statement that the same starting materials were used at the alternate manufacturing site as used at the original site. Otherwise, MSDSs of all the starting materials, and their suppliers and specifications should be provided. The issue was discussed with Dr. Jim Barron of Arysta and the registrant agreed to provide the required data within a week from the date of this review (40CFR 158.325).

830.1620 (description of production process)

The submitted data are not acceptable (MRID 494574-01). No information was provided regarding the amount of each starting material used, the yield in each synthesis step, the equipment used, quality control measures, and the packaging method and material. The information presented does not meet the data requirements for 40CFR 158.330.

830.1670 (discussion on the formation of impurities)

The submitted data are acceptable (see the registrant's letter dated 09/02/2014 and MRID 494574-01). Besides the intentionally added [redacted] which were also listed on the basic CSF dated 08/31/2011. No impurities of potential toxicological concern are present at levels greater than 0.1%. The information presented meets the data requirements for 40CFR 158.340.

830.1700 (preliminary analysis)

The submitted data are acceptable. Results are presented for a 5-batch analysis of the active ingredient (MRID 493996-01) using GC-FID. The nominal concentrations of the A.I. at the proposed manufacturing source were: 95.90, 95.11, 95.99, 95.66, and 94.80% (from Page 12 of the confidential attachment in MRID 493996-01), with a mean of 95.49% that is within the certified limits (lower limit: 93.039%, upper limit: 98.794%) listed on the currently approved basic CSF dated 08/31/2011. The information presented meets the data requirements for 40CFR 158.345.

830.1750 (certified limits)

Except for the data on the proposed alternate CSFs, the registrant did not provide separate discussion on this guideline. The nominal concentrations for the A.I. and impurities were established based on the average values from the five-batch analysis (Page 12 of the confidential attachment in MRID 493996-01). The upper and lower certified limits for the A.I., and upper certified limits for the impurities are within EPA's Standard Certified Limits (158.340).

830.1800 (enforcement analytical method)

The submitted data are acceptable. The analytical method for quantifying the A.I. is GC-FID. This method was validated for linearity, precision and accuracy (MRID 493996-01). The information presented meets the data requirements for 40 CFR 158.345.

2. Group B guidelines (physical-chemical properties):

As indicated in the Data Matrix, the data for color, physical state, odor, oxidation/reduction, pH, bulk density, melting point, stability to normal and elevated temperatures/metals/metal ions, storage stability, corrosion characteristics, partition coefficient, and water solubility are included in MRIDs 400212-02, 402318-01, 451923-12 and 452858-12 which was reviewed by the Agency.

Manufacturing process information may be entitled to confidential treatment

830.1550. Product identity & composition: (MRID Nos. 494574-01)

Common Name: Captan Technical

Chemical name (CAS): 3a ,4, 7, 7a-tetrahydro-2-[(trichloromethyl)thio]-1*H*-isoindole-1,3(2*H*)-dione

(IUPAC): *N*-(trichloromethylthio) cyclohex-4-ene-1, 2-dicarboximide

CAS No.: 133-06-2

PC Code No.: 081301

Empirical Formula: $C_9H_8Cl_3NO_2S$

Molecular Weight: 300.59 g/mole

Structural Formula:

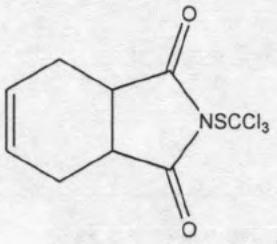

Table 1. Manufacturing and Impurity Data for MUP "Captan Technical"

GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and composition	452100-01, 451923-12, 494574-01	A	The active ingredient was adequately described.
830.1600	Description of materials used to produce the product		G	No data was provided for this guideline. The issue was discussed with Dr. Jim Barron of Arysta and the registrant agreed to provide the required data within a week from the date of this review.
830.1620	Description of production process	494574-01	A	
830.1670	Discussion of formation of impurities	400213-01, 451923-12, 484348-01, 494574-01	A	The identities and origins of the impurities at the alternate production site were mentioned in MRID 494574-01. Detailed theoretical discussion on their formation was included in MRID 400213-01..
830.1700	Preliminary analysis	493996-01	A	Five-batch analysis of the A.I. and impurities was provided.
830.1750	Certified limits	Alternate CSFs (dated 09/02/2014 and 11/14/2014)	A	The lower and upper certified limits for the A.I. are within EPA's Standard Certified Limits.
830.1800	Enforcement analytical method	493996-01	A	The quantification method for A.I is GC-FID.

A = Acceptable; N = Unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress;
U = Up-grade (additional information required);

830.1800 (enforcement analytical method)

The analytical method employed to quantify the active ingredient is GC-FID. This method was validated for linearity, precision, and accuracy (493996-01).

CONCLUSIONS:

The CITAB has reviewed the product chemistry data submitted to support the proposed alternate CSFs for MUP "Captan Technical" (produced by Arysta LifeScience North America, LLC) and has concluded that:

1. The data submitted for guidelines 830.1550 (product identity and composition), 830.1670 (discussion of the formation of impurities), 830.1700 (preliminary analysis) and 830.1800 (enforcement analytical method) are acceptable.

2. No data was submitted for guideline 830.1600 (description of materials used to produce the product). The issue was discussed with Dr. Jim Barron of Arysta and the registrant agreed to provide the required data within a week from the date of this review.

3. The data submitted corresponding to guideline 830.1620 (description of the production process) are acceptable.

4. The lower and upper certified limits for the A.I., and the upper certified limits for the impurities and stabilizers are within EPA's Standard Certified Limits listed on the CSF for the currently approved basic dated 08/31/2011

5. Formulation #2 and #3 (dated 09/02/2014 and 11/14/14, respectively) differ in the type and percentage of [redacted]. The basic CSF was dated 8/31/11. There is no officially accepted Alternate #1 on file.

6. The proposed alternate CSFs # 2 and # 3 are conditionally acceptable. The registrant must provide information to address data gaps of Guidelines 830.1600 as a condition to the acceptance of their petition.

Inert ingredient information may be entitled to confidential treatment

Pages 7-9 *Manufacturing process information may be entitled to confidential treatment*

DATA EVALUATION RECORD

Captan
(Captan Technical)

STUDY TYPES: **Product Identity and Composition (OCSPP 830.1550)**
Description of Materials Used to Produce the Product (OCSPP 830.1600)
Description of the Formulation Process (OCSPP 830.1650)
Discussion of Formation of Impurities (OCSPP 830.1670)
Preliminary Analysis (OCSPP 830.1700)
Certified Limits (OCSPP 830.1750)
Enforcement Analytical Method (OCSPP 830.1800)
Physical and Chemical Characteristics (OCSPP 830.6302-830.7950)

MRIDs 493996-01 and 494574-01

Prepared for
Registration Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

Prepared by
Summitec Corporation
9724 Kingston Pike, Suite 602
Knoxville, Tennessee 37922

Task Order No. 3-A-317

Primary Reviewer: Maolian Chen, Ph.D.	Signature:	Maolian Chen AB
	Date:	FEB 24 2015
Secondary Reviewers: Eric B. Lewis, M.S.	Signature:	Eric B. Lewis
	Date:	FEB 24 2015
Robert H. Ross, M.S., Program Manager	Signature:	Robert H. Ross
	Date:	FEB 24 2015
Quality Assurance: Angie M. Edmonds, B.S.	Signature:	Angie M. Edmonds
	Date:	FEB 24 2015

Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

Summitec Corporation for the U.S. Environmental Protection Agency under Contract No. EP-W-11-014

From: Barron, Jim <JIM.BARRON@arysta.com>
Sent: Thursday, February 26, 2015 1:43 PM
To: Abramovitch, Akiva
Cc: Wilson, Tim; Akers, Rodney
Subject: Captan Technical; EPA Reg No 66330-31; OPP Decision No 492132

Dear Akiva,

Thank you for your questions today about our pending registration amendment due March 4 to add a new manufacturing source to our Captan Technical Registration.

We agree to address the 830.1600 data deficiency (description of starting materials and associated MSDS documents) you pointed out as soon as the requested data can be obtained from our producer in [redacted] We will submit this information as soon as possible to your attention after receipt. We understand that the current March 4, 2015 PRIA date for this action will not be delayed by this data deficiency.

Meanwhile, thank you for working with us on bringing this registration amendment to a timely conclusion.

Best Wishes,

Jim

Jim Barron, Ph. D.
Senior Regulatory Affairs Manager
North America

Arysta LifeScience

15401 Weston Parkway Suite 150
Cary, NC 27513
Office Telephone 919 678-4886
Mobile Telephone 919 449-8215
Email: jim.barron@arysta.com

Product ingredient source information may be entitled to confidential treatment

Product ingredient source information may be entitled to confidential treatment

Manufacturing process information may be entitled to confidential treatment

Arysta LifeScience

September 2, 2014

Lindsay Roe
PM Team 22
U. S. Environmental Protection Agency
Document Processing Desk 7504P (AMEND)
Office of Pesticide Programs
One Potomac Yard
Arlington, VA 22202-4501

Re: Captan Technical; EPA Reg. No. 66330-31; OPP Decision No. 492132; Technical Screen Letter of 8-20-14.

Dear Lindsay

We are responding to Shyam Mathur's PRIA technical screen deficiency letter dated August 20, 2014. I will list the deficiency notes as taken directly from the letter and respond to each.

Note 1: No data was submitted for the guidelines 830.1600 (starting materials), 830.6320 (production process), 830.1750 (certified limits). The registrant is required to submit these data or give a certified statement that same starting materials and production process were used at alternate production site as used in basic CSF production site.

First, the production process guideline number is 830.1620 not 6320 as provided in the above note. We presume that is a typo.

To address this deficiency above, we are submitting with this letter a new report covering these two guidelines. We are submitting it electronically under the pre-assigned EPA MRID # 49457401.

Note 2: It appears that there are two new impurities identified in the alternate CSF which are not present in basic CSF. The registrant is required to determine & identify any impurities of tox concern present in the proposed alternate CSF.

The two compounds listed on the originally proposed [redacted] CSF and not reported on the approved Basic CSF [redacted]

Note that while we reported both [redacted], both were reported at levels significantly lower than 0.1% w/w. As such, according to 158.340 (a)(2), neither compound has to be discussed individually (i.e. provided a separate line item on the CSF, even though the lab measured for them in the 5-batch study). It has been the Agency's policy to allow as an option in cases like this for us to roll individual compounds reported at levels < 0.1% w/w into the "Non-resolved components each < than 0.1%" category, usually found as the last entry on the CSF form. In the revised CSF (attached) and dated 09-2-14, we have exercised this option and "rolled" these impurities into the bottom "Non-resolved Components" section adjusting the arithmetic accordingly.

e-Submission

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Ste 150, Cary NC 27519 Phone 919-678-4900, Fax 919-678-2194 www.arystalifescience.com

Arysta LifeScience

In addition, note that [redacted] has actually been reported to and approved by the Agency previously in at least one Captan Technical BASIC CSF (attached) is therefore not an unknown captan technical impurity.

Finally, regarding the [redacted]

If there are any further questions about this amendment, please contact me at 919 678-4886 or jim.barron@arysta.com.

Sincerely,

Jim

Jim Barron, Ph.D.
Senior Regulatory Manager

Manufacturing process information may be entitled to confidential treatment

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Ste 150, Cary NC 27519 Phone 919-678-4900, Fax 919-678-2194 www.arystalifescience.com

Arysta LifeScience

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513
Attention: Jim Barron
Telephone: (919) 678-4886

Regulatory Action in Support of which this Package is Submitted:
Captan Technical, Response to Deficiencies

Product Names: Captan Technical
EPA Registration Number: 66330-31
Transmittal Date: September 2, 2014

Submitted Documents:

Guideline	Citation	Submitter	MRID	Study ID
830.1600; 830.1620	Production Process of Captan	Arysta LifeScience North America, LLC	49457401	20140828Captan

Submitter: Jim Barron
Jim Barron
Regulatory Manager

09-02-2014
Date

Company Name: Arysta LifeScience North America, LLC
Company Contact: Jim Barron

e-Submission

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Arysta LifeScience

September 2, 2014

Geri McCann
Document Processing Desk 7502P (E-SUB)
U.S. Environmental Protection Agency
Office of Pesticide Programs
2777 South Crystal Drive
Arlington, VA 22202-4501

Subject: Captan Technical EPA Reg. No. 66330-31
Response to Deficiencies

Dear Geri,

Enclosed is a CD containing **one (1)** electronic submission of the subject data. This submission was built using e-Dossier Builder.

Please contact me if you have any questions or concerns regarding this e-submission, 919-678-4873, or jan.dykes@arysta.com.

Regards,

Janet A. Dykes

Janet A. Dykes

Enc. CD, Letter from Jim Barron to Lindsay Roe, PM Team 22

e-Submission

Arysta LifeScience North America
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Manufacturing process information may be entitled to confidential treatment

Product ingredient source information may be entitled to confidential treatment

Arysta LifeScience

September 2, 2014

Lindsay Roe
PM Team 22
U. S. Environmental Protection Agency
Document Processing Desk 7504P (AMEND)
Office of Pesticide Programs
One Potomac Yard
Arlington, VA 22202-4501

Re: Captan Technical; EPA Reg. No. 66330-31; OPP Decision No. 492132; Technical Screen Letter of 8-20-14.

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Note 1: No data was submitted for the guidelines 830.1600 (starting materials), 830.~~6320~~ 1620 (production process), 830.1750 (certified limits). The registrant is required to submit these data or give a certified statement that same starting materials and production process were used at alternate production site as used in basic CSF production site.

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Note that while we reported both [redacted] CSF, both were reported at levels significantly lower than 0.1% w/w. As such, according to 158.340 (a)(2), neither compound has to be discussed individually (i.e. provided a separate line item on the CSF, even though the lab measured for them in the 5-batch study). It has been the Agency's policy to allow as an option in cases like this for us to roll individual compounds reported at levels < 0.1% w/w into the "Non-resolved components each < than 0.1%" category, usually found as the last entry on the CSF form. In the revised CSF (attached) and dated 09-2-14, we have exercised this option and "rolled" these impurities into the bottom "Non-resolved Components" section adjusting the arithmetic accordingly.

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Ste 150, Cary NC 27519 Phone 919-678-4900, Fax 919-678-2194 www.arystalifescience.com

Arysta LifeScience

In addition, note that [redacted] has actually been reported to and approved by the Agency previously in at least one Captan Technical BASIC CSF (attached) is therefore not an unknown captan technical impurity.

Finally, regarding the [redacted]

If there are any further questions about this amendment, please contact me at 919 678-4886 or jim.barron@arysta.com.

Sincerely,

Jim

Jim Barron, Ph.D.
Senior Regulatory Manager

Manufacturing process information may be entitled to confidential treatment

Arysta LifeScience

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513
Attention: Jim Barron
Telephone: (919) 678-4886

Regulatory Action in Support of which this Package is Submitted:
Captan Technical, Response to Deficiencies

Product Names: Captan Technical
EPA Registration Number: 66330-31
Transmittal Date: September 2, 2014

Submitted Documents:

Guideline	Citation	Submitter	MRID	Study ID
830.1600; 830.1620	Production Process of Captan	Arysta LifeScience North America, LLC	49457401	20140828Captan

Submitter: Jim Barron
Jim Barron
Regulatory Manager

09-02-2014
Date

Company Name: Arysta LifeScience North America, LLC
Company Contact: Jim Barron

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460
OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION
OFFICE OF PESTICIDE PROGRAMS REGISTRATION DIVISION (7505P)

DP BARCODE No.: D422162; **FILE SYMBOL No.**: 66330-31 (screen); **PRODUCT NAM:** Captan Technical; **DECISION No.**:492132; **PC Code(s)**: 081301; **ACTION CODE**: R351; **FOOD Use**: Yes

DATE OUT: August 20, 2014

SUBJECT: Completeness check screening for Technical product "Captan Technical"

FROM: Shyam Mathur,
Product Chemistry Team Leader
Technical Review Branch/RD (7505P)

TO: Lindsay Roe / Tony Kish, RM 22
Fungicide Branch / RD (7505P)

Company Name: Arysta Lifescience North America LLC
Formulation Type: Fungicide
Active Ingredient(s): Captan (95.49%)

MRID No(s).: 493996-01

CONCLUSION:

Deficiencies: Yes
(if there are deficiencies they are indicated below each heading as Note 1, Note 2 Etc).

Group A: Data submitted for the guideline 830.1700 (preliminary analysis) & 830.1800 (enforcement analytical method).

Note 1: No data was submitted for the guidelines 830.1600 (starting materials), 830.6320 (production process), 830.1750 (certified limits). The registrant is required to submit these data or give a certified statement that same starting materials and production process were used at alternate production site as used in basic CSF production site.

Group B: Not required

CSF: Submitted proposed alternate CSF (dated 05-30-14; produced by [redacted]
Current basic CSF (dated 08-31-2011; produced by [redacted])

Note 2: It appears that there are two new impurities identified in the alternate CSF which are not present in basic CSF. The registrant is required to determine & identify any impurities of tox concern present in the proposed alternate CSF.

Note to PM: If the deficiencies are found in the screen results, please inform the registrant and bring back to me or to Joe the corrected deficiencies in response to 10 day letter, so that it can be attached to the original bean, if the data package is still in TRB. New Bean is required in case the bean has been closed by TRB. Thank you.

Product ingredient source information may be entitled to confidential treatment

Product ingredient source information may be entitled to confidential treatment

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1200 Pennsylvania Avenue, N.W.
WASHINGTON, D.C. 20460

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Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address, and Telephone Number Arysta LifeScience North America LLC	EPA Registration Number/File Symbol 66330-31
Active Ingredient(s) and/or representative test compound(s) captan	Date June 12, 2014
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) fungicide	Product Name Captan Technical

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☑ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses .

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it 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	Date	Typed or Printed Name and Title
Jim Barron	June 12, 2014	Jim Barron

E-SUBMISSION

EPA Form 8570-34 (12-2003) Electronic and Paper versions available. Submit only Paper version.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date June 11, 2014	EPA Reg. No./File Symbol **66330-31**	Page 1 of 13
Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry					
OPPTS 830.1550	Product Identity and Composition	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.1550	Product Identity and Composition	48434801	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1600	Description of Materials Used to Produce the Product	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	
OPPTS 830.1600	Description of Materials Used to Produce the Product	48434801	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1620	Description of Production Process	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	
OPPTS 830.1620	Description of Production Process	48434801	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1670	Discussion of Formation of Impurities	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	
OPPTS 830.1670	Discussion of Formation of Impurities	48434801	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1700	Preliminary Analysis	45210001	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.1700	Preliminary Analysis	48434802 49399601	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1750	Certified Limits	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.1750	Certified Limits	48434801	Arysta LifeScience North America, LLC	OWN	
OPPTS 830.1800	Analytical Method	45216201	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6302	Color	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6303	Physical State	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6304	Odor	40021202	Arysta LifeScience (Chevron /	OWN	

Signature	Name and Title:	Date
Jim Barron	**Jim Barron, Regulatory Manager**	June 11, 2014

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DATA MATRIX

Date June 11, 2014	EPA Reg. No./File Symbol **66330-31**	Page 2 of 13
Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	

Ingredient(s): **Captan** **CAS No. 133-06-2**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Stauffer)		
OPPTS 830.7000	pH	40231801	Arysta LifeScience (Chevron)	OWN	
OPPTS 830.7300	Bulk Density	40231801	Arysta LifeScience (Chevron)	OWN	
OPPTS 830.7200	Melting Point/Melting Range	40231801	Arysta LifeScience (Chevron)	OWN	
OPPTS 830.6314	Oxidizing/Reducing Properties	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6316	Explodability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6315	Flammability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.7840	Water Solubility	40231801	Arysta LifeScience (Chevron)	OWN	
OPPTS 830.8550	Octanol/Water Partition Coefficient	40021201	Arysta LifeScience (Chevron / Stauffer)	OWN	
OPPTS 830.6313	Stability	40231801	Arysta LifeScience (Chevron)	OWN	
OPPTS 830.7220	Boiling Point	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.7370	Dissociation Constant	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6317	Storage Stability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.6320	Corrosion Characteristics	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 830.7950	Vapor Pressure	45285812	Arysta LifeScience (Tomen Agro)	OWN	
Reentry Protection					
132-1	Foliar Dissipation	40988603	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40988604	Arysta LifeScience (ICI)	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
132-1	Foliar Dissipation	40988601	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40988602	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40823902	Arysta LifeScience (ICI)	OWN	
Environmental Fate					
161-1	Hydrolysis	40208101	Captan Task Force	OWN	
161-2	Photodegradation in water	40208102	Captan Task Force	OWN	
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	
161-3	Photodegradation in soil	40658009	Captan Task Force	OWN	
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	
161-3	Photodegradation in soil	40658010	Captan Task Force	OWN	
161-3	Photodegradation ion soil	40658009	Captan Task Force	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	
164-1	Field dissipation study	40932201	Captan Task Force	OWN	
164-1	Field dissipation study	40823901	Captan Task Force	OWN	
164-1	Field dissipation study	40893602	Captan Task Force	OWN	
164-1	Field dissipation study	40893601	Captan Task Force	OWN	
164-1	Field dissipation study	40932202	Captan Task Force	OWN	
Ecological Toxicology					
OPPTS 850.1010	Aquatic invertebrate acute toxicity fershwater, daphnids	43869807	Arysta LifeScience (Zeneca)	OWN	
OPPTS 850.1025	Oyster acute toxicity (shell deposition	46061701	Captan Stewardship Task Force	OWN	
OPPTS 850.1035	Mysid acute toxicity test	44806505	Captan Stewardship Task Force	OWN	
OPPTS 850.1035	Mysid acute toxicity test	44909005	Captan Task Force	OWN	
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	44806504	Captan Stewardship Task Force	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	44909004	Captan Task Force	OWN	
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	43869806	Arysta LifeScience (Zeneca)	OWN	
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	44738801	Arysta LifeScience (Zeneca)		
OPPTS 850.1300	Daphnid chronic toxicity	44148801	Arysta LifeScience (ICI)	OWN	
OPPTS 850.1400	Fish early-life stage toxicity test	00057846	Arysta LifeScience (Chevron)	OWN	
OPPTS 850.2100	Avian acute oral toxicity test	00020560	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 850.2200	Avian dietary toxicity test	43869802	Arysta LifeScience (ICI)	OWN	
OPPTS 850.2200	Avian dietary toxicity test	43869803	Arysta LifeScience (ICI)	OWN	
OPPTS 850.2300	Avian reproduction	00098295	Arysta LifeScience (Chevron)	OWN	
OPPTS 850.2300	Avian reproduction	00098296	Arysta LifeScience (Chevron)	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44806503	Captan Stewardship Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44909003	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44909001	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	11909002	Captan Task Force	OWN	
OPPTS 850.5400	Algal toxicity	43869809	Arysta LifeScience (ICI)	OWN	
OPPTS 850.5400	Algal toxicity	44806501	Captan Stewardship Task Force	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 850.5400	Algal toxicity	44806502	Captan Stewardship Task Force	OWN	
OPPTS 850.5400	Method Captan Saltwater	44926201	Captan Task Force	OWN	
Residue Chemistry					
OPPTS 860.1300	Nature of Residues - Plants	42109601	Captan Task Force	OWN	
OPPTS 860.1300	Nature of residue - livestock	42568801	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1850	Confined rotational crop	42378401	Captan Task Force	OWN	
OPPTS 860.1850	Confined rotational crop	41404001	Captan Task Force	OWN	
OPPTS 860.1340	Residue analytical method	41393001	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1340	Residue analytical method	41386501	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1340	Residue analytical method	41406901	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1340	Residue analytical method	43548601	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1480	Magnitude of residues in meat/milk/poultry and eggs	42296002	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1480	Magnitude of residues in meat/milk/poultry and eggs	40010501	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1380	Storage stability data	43875603	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1340	Residue analytical method	40010501	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 860.1500	Magnitude of residues	40189802	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745402	Arysta LifeScience (Chevron)	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40189803	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	00159597	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	00098825	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189804	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745403	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	42472202	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	42254201	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	42252202	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189805	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	45605001	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	41149104	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189806	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	41039101	Arysta LifeScience (IR-4)	OWN	
OPPTS 860.1500	Magnitude of residues	40189808	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	41149103	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189809	Arysta LifeScience (Chevron)	OWN	

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Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	

Ingredient(s): **Captan** **CAS No. 133-06-2**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40189810	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189811	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745405	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189812	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	42472201	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	42254202	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189807	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745404	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189814	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745406	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745407	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189815	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	45605002	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OWN	

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Ingredient(s): **Captan** **CAS No. 133-06-2**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40189818	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189817	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	42712801	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	43086601	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	43600401	Captan Task Force	OWN	
OPPTS 860.1500	Magnitude of residues	44227201	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	40189819	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189820	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	41149101	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	41306102	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189821	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	41149102	Arysta LifeScience (ICI)	OWN	
OPPTS 860.1500	Magnitude of residues	40189822	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	00159607	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	43489701	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40189824	Arysta LifeScience (Chevron)	OWN	

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Ingredient(s): **Captan** **CAS No. 133-06-2**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40189823	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	40745409	Arysta LifeScience (Chevron)	OWN	
OPPTS 860.1500	Magnitude of residues	41306101	Arysta LifeScience (ICI)	OWN	
Acute Toxicology					
OPPTS 870.1100	Oral Acute Toxicity	45288201	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 870.1200	Acute Dermal Toxicity	45288202	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 870.1200	Acute Dermal Toxicity	45370901	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 870.1300	Acute Inhalation	45288203	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 870.2400	Primary Eye Irritation	45288103	Arysta LifeScience (Tomen Agro)	OWN	
OPPTS 870.2500	Primary Dermal Irritation	40021401	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.2600	Dermal Sensitization	45288105	Arysta LifeScience (Tomen Agro)	OWN	
Subchronic and Chronic Toxicology					
OPPTS 870.4100	Chronic Toxicity - Dog	41472501	Arysta LifeScience (ICI)	OWN	
OPPTS 870.4100	Chronic Toxicity - Mice	00151472	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.4100	Chronic Toxicity - Mice	43875602	Arysta LifeScience (Zeneca)	OWN	
OPPTS 870.4200	Carcinogenicity - Mice	43393502	Arysta LifeScience (Chevron)	OWN	
OPPTS 870.4200	Carcinogenicity - Rat	00153284	Arysta LifeScience (Stauffer	OWN	

Signature	Name and Title:	Date
Jim Barron	**Jim Barron, Regulatory Manager**	June 11, 2014

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date June 11, 2014 | EPA Reg. No./File Symbol **66330-31** | Page 11 of 13

Applicant's/Registrant's Name & Address:
Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513

Product **Captan Technical**

Ingredient(s): **Captan** **CAS No. 133-06-2**

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Chemical)		
OPPTS 870.3800	Reproduction and Fertility Effects (1 generation - rat)	00120315	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.3800	Reproduction and Fertility Effects (3-generation - rat)	00153306	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.3700	Prenatal Developmental Toxicity (hamster)	00130848	Arysta LifeScience (Chevron)	OWN	
OPPTS 870.3700	Prenatal Developmental Toxicity (rabbit)	41826901	Arysta LifeScience (ICI)	OWN	
OPPTS 870.5460	Rodent Heritable Translocation Assay	00131710	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.5200	Mouse Visible Specific Locus Test	43405102	Arysta LifeScience (ICI)	OWN	
OPPTS 870.5900	In *Vitro* Sister Chromatid Exchange Assay	00131703	Arysta LifeScience (Chevron)	OWN	
OPPTS 870.5550	Unscheduled DNA Synthesis in Mammalian Cells in Culture	43393501	Arysta LifeScience (ICI)	OWN	
OPPTS 870.3465	Subchronic Inhalation Toxicity - Rat	41234402	Arysta LifeScience (ICI)	OWN	
OPPTS 870.3465	Subchronic Inhalation Toxicity - Rat (preliminary)	41234401	Arysta LifeScience (ICI)	OWN	
OPPTS 870.3150	Subchronic Non-rodent Oral Toxicity - 90 days	40893605	Arysta LifeScience (Stauffer Chemical)	OWN	
OPPTS 870.3200	Repeated Dose dermal Toxicity - 21-day - Rabbit	40273201	Arysta LifeScience (Chevron / Stauffer)	OWN	
N/A	Investigation of Duodenal Hyperplasia in Mice	43393503	Arysta LifeScience (Zeneca)	OWN	
N/A	Second Investigation of Duodenal Hyperplasia in Mice	43393504	Arysta LifeScience (Zeneca)	OWN	
OPPTS 870.7600	Dermal Absorption - rat	43074701	Arysta LifeScience (ICI)	OWN	

Signature	Name and Title:	Date
Jim Barron	**Jim Barron, Regulatory Manager**	June 11, 2014

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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WASHINGTON, D.C. 20460

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DATA MATRIX

Date June 11, 2014	EPA Reg. No./File Symbol **66330-31**	Page 12 of 13
Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 870.7485	Metabolism and Pharmacokinetics	43012902	Arysta LifeScience (ICI)	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505403	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505401	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505402	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505404	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	40658001	Captan Task Force	OWN	
N/A	Stability of Captan in Whole Blood	44990101	Captan Stewardship Task Force	OWN	
N/A	Data Supporting Cancer Reclassification	45391901	Captan Stewardship Task Force	OWN	
N/A	Common Mechanism of Toxicity	44296702	Captan Task Force	OWN	
N/A	Mutagenicity Relevance Cancer Risk Assessment	45745102	Captan Task Force	OWN	
N/A	Nongenotoxic Mechanism of Action	45746101	Captan Task Force	OWN	
N/A	Scientific Analysis of Data Reclassification of Captan Carcinogen Risk Assessment	46173001	Captan Task Force	OWN	
N/A	Scientific Analysis Appropriate Cancer Classification	46247701	Captan Task Force	OWN	
N/A	Half Life of Thiophosgene in Human Blood	46296101	Captan Task Force	OWN	
N/A	Acute Dietary Exposure Risk Assessment Residues in Food	44737601	Captan Stewardship Task Force	OWN	
N/A	Screening Level Non-Dietary and Aggregregate RIsk Assessment	44907201	Captan Task Force	OWN	

Signature	Name and Title:	Date
Jim Barron	**Jim Barron, Regulatory Manager**	June 11, 2014

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date June 11, 2014	EPA Reg. No./File Symbol **66330-31**	Page 13 of 13
Applicant's/Registrant's Name & Address: **Arysta LifeScience N.A. LLC., 15401 Weston Parkway, Suite 150, Cary, NC 27513**	Product **Captan Technical**	
Ingredient(s): **Captan** **CAS No. 133-06-2**		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Endocrine Disruptor Screening Program					
OPPTS 890.1100	Amphibian Metamorphosis Assay	49136701	Captan Task Force	OWN	
OPPTS 890.1150	Androgen Receptor Binding Assay	48615101	Captan Task Force	OWN	
OPPTS 890.1200	Human Recombinant Aromatase Assay	48615102	Captan Task Force	OWN	
OPPTS 890.1250	Estrogen Receptor Binding Assay	48615103	Captan Task Force	OWN	
OPPTS 890.1300	Estrogen Receptor Transcriptional Activation	48615104	Captan Task Force	OWN	
OPPTS 890.1350	Fish Short-Term Reproduction	48669501	Captan Task Force	OWN	
OPPTS 890.1400	Hershberger Bioassay Rat	48615105	Captan Task Force	OWN	
OPPTS 890.1450	Female Pubertal (Rat)	48669502	Captan Task Force	OWN	
OPPTS 890.1500	Male Pubertal (Rat)	48669503	Captan Task Force	OWN	
OPPTS 890.1550	Steroidogenesis (Human Cell Line-H295R)	48615106	Captan Task Force	OWN	
OPPTS 890.1600	Uterotrophic Assay	48615107	Captan Task Force	OWN	

Signature	Name and Title:	Date
Jim Barron	**Jim Barron, Regulatory Manager**	June 11, 2014

EPA Form 8570-35 (9-97) Electronic and Paper versions available. Submit only Paper version.

Agency Internal Use Copy

Arysta LifeScience

June 12, 2014

Tony Kish
Product Manager 22
U. S. Environmental Protection Agency
Document Processing Desk 7504P (AMEND)
Office of Pesticide Programs
One Potomac Yard
Arlington, VA 22202-4501

Re: Captan Technical; EPA Reg. No. 66330-31;

Dear Tony,

Arysta LifeScience North America, LLC (Arysta) is proposing to amend the above registration to include a new source of the active ingredient captan. The name and address of the new supplier is provided in Box 2 of the attached proposed Confidential Statement of Formula for this product.

In addition to this cover letter, the electronic submission includes the following:

1. EPA Form 8570-1 (Application for Amendment);
2. EPA Form 8570-34 (Certification with Respect To Citation of Data);
3. EPA Form 8570-35 (Data Matrix).
4. EPA Form 8570-4 (Confidential Statement of Formula);
5. 1 copy of the following Study Report.

Sun. G. 2011. 2011. Preliminary Analysis of captan technical grade active ingredient. Southwest Research Institute, 6220 Culebra Road, San Antonio, TX. 18 pp. (MRID 49399601).

Note that the owner of this report, [redacted]., has provided Arysta LifeScience with a letter of access (attached).

Arysta has determined that under the Pesticide Registration Improvement Act III, this is an R-351 registrationi amendment. Accordingly, a registration service fee of $12,596.00 has been paid. A receipt from pay.gov is included.

Product ingredient source information may be entitled to confidential treatment

E-SUBMISSION

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Ste 150, Cary NC 27519
Phone 919-678-4900, Fax 919-678-2194
www.arystalifescience.com

Arysta LifeScience

If you have any questions about this amendment, please contact me at 919 678-4886 or jim.barron@arysta.com.

Sincerely,

Jim Barron

Jim Barron, Ph.D.
Regulatory Manager

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Ste 150, Cary NC 27519 Phone 919-678-4900, Fax 919-678-2194 www.arystalifescience.com

Arysta LifeScience

49399600

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513
Attention: Jim Barron
Telephone: (919) 678-4886

Regulatory Action in Support of which this Package is Submitted:
Captan Technical (EPA Reg. No. 66330-31)

Product Names: Captan Technical

EPA Registration Number: 66330-31
Transmittal Date: June 11, 2014

Submitted Documents:

Guideline	Citation	Submitter	MRID	Study ID
OPPTS 830.1700 830.1800	Preliminary Analysis of Captan Technical Grade Active Ingredient	Arysta LifeScience North America, LLC	49399601	01.16788.01.001

Submitter: Jim Barron
Jim Barron
Regulatory Manager

~~6-11-2014~~
Date

Company Name: Arysta LifeScience North America, LLC
Company Contact: Jim Barron

E-SUBMISSION

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060

Print Form

EPA

United States
Environmental Protection Agency
Washington, DC 20460

[ ] Registration
[X] Amendment
[ ] Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number	2. EPA Product Manager	3. Proposed Classification
66330-31	Kish	[ ] None [ ] Restricted
4. Company/Product (Name) Captan Technical	PM# 22	

5. Name and Address of Applicant *(Include ZIP Code)*

Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150 Cary, NC 27513

[ ] *Check if this is a new address*

6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:

EPA Reg. No. _____

Product Name _____

Section - II

[X] Amendment - Explain below.
[ ] Resubmission in response to Agency letter dated _____
[ ] Notification - Explain below.
[ ] Final printed labels in response to Agency letter dated _____
[ ] "Me Too" Application.
[ ] Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

R-351 Amendment- Adding new unregistered source of technical active ingredient.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
[ ] Yes* [ ] No	[ ] Yes [ ] No	[ ] Yes [ ] No	[ ] Metal [ ] Plastic [ ] Glass [ ] Paper [ ] Other (Specify) _____
** Certification must be submitted*	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
[ ] Label [ ] Container		[ ] On Label [ ] On Labeling accompanying product

6. Manner in Which Label is Affixed to Product [ ] Lithograph [ ] Paper glued [ ] Stenciled [ ] Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)*

Name	Title	Telephone No. (Include Area Code)
Jim Barron	Regulatory Manager	919 678-4886

Certification

I certify that the statements I have made on this form and all attachments thereto 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.

6. Date Application Received (Stamped)

2. Signature	3. Title
Jim Barron	Regulatory Manager
4. Typed Name	**5. Date**
Jim Barron	June 11, 2014

E-SUBMISSION

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete. White - EPA File Copy (original) Yellow - Applicant Copy

PAPERV K REDUCTION ACT NOTICE and IN .UCTIONS

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour 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 **Director, Collection Strategies Division (2822T) U.S.Environmental Protection Agency,1200 Pennsylvania Ave, NW,Washington, DC20460.**

INSTRUCTIONS: This form is to be used all applications for new registration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-34). [If not exempted by 40 CFR 152.81(b)(4)].
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Data Matrix.

Submission of Labeling -Labeling should first be submitted in the form of draft labeling with all applications. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.
Submission of Data -Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

SPECIFIC INSTRUCTIONS: Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with new registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amendments actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

Block A - Check the appropriate action for which you are submitting this form.

Section I - The section must be completed, as applicable, for all registration actions.

1. **Company /Product Number** - Insert your company number, if one has been assigned by EPA. This number rnay have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** -If known, fill in the name end PM number of the EPA Product Manager.
3. **Proposed Classification** -Specify the proposed classification of this product. For most products the classification would be "None".
4. **Product Name** -Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** -The name of the firm or parson and address shown in your application is the person or firm to whom the registration will be issued. If you are acting on behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in theUnited Statesmust have an authorized agent residing in theUnited Statesto act for them in all registration matters. The name rand complete mailing address of such an agent must accompany this application.
6. **Expedited Review** -FlFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

SECTION II -This section must be completed for a11 applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA registered product. **The Explanation Section should be used for any additional information regarding Sections I and II.**

1. Subject of submission -Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for he submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by... "; "reregistration submission"; "general label revision of direction for use", 'notification for... ". Attach a separate page if additional space is needed.

SECTION III - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** -Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container**- Indicate type of container in which product will be marketed.
3. **Location of Net Contents** -Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** -Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** -Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** -Indicated the method product label is attached to retail container.

SECTION IV (Contact Point) -This section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

1-5.Self-explanatory
6. EPA Use Only

21-Day Screen of Amendment
(Completed by Contractor)

21-day Expires on 7-4-14

Document Part Of: 66330-31
MRID, If Any: 493996

Content Screen: Recommended to
Pass/Fail

11-3 Review: Passed/Failed/NA

Overall Status: Pass/Fail

Document returned to:

STEPHEN SCHAIBLE

22

PRIA 3 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

September 2012

21 Day Screen Start Date: 6/13/14

Experts In-Processing Signature: MP Date 6/16/14 Fee Paid: Yes ✓

Division management contacted on issues No_____ Yes_____ Date_____

EPA Reg. Number: 66330-31	EPA Receipt Date: 6/13/14

	Items for Review			Yes	No	N/A*
1	**Application Form** (EPA Form 8570-1) signed & complete including package type			X		
2	**Confidential Statement of Formula** all boxes completed, form signed, and dated (EPA Form 8570-4)			Y		
	a) All inerts, including fragrances, approved for the proposed uses (see Footnote A) *no inerts to review	yes	no			
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			Y		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	**Formulator's Exemption Statement** (EPA Form 8570-27) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
5	**Data Matrix** (EPA Form 8570-35) both internal and external copies (PR 98-5) completed and signed (N/A if 100% repack)			Y		
	a) Selective Method (Fee category experts use)	yes	no			
	b) Cite-All (Fee category experts use)	X				
	c) Applicant owns all data (Fee category experts use)					
6	**5 Copies of Label (Electronic labels on CD are encouraged and guidance is available)**				X	
7	**Is the data package consistent with PR Notice 86-5**			X		
8	**Notice of Filing included with petitions**					X

9	**If applicable for conventional applications, reduced risk rationale**			X
	Required Data and/or data waivers. See Footnote C.			
10	a) List study (or studies) not included with application			

Comments:

* studies passed PRN 11-03 review.

* technical & impurities only, no inerts to review.

* jacket passed.

KB

MRID: 493996

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

June 16, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OPP Decision Number: D-492132
EPA File Symbol or Registration Number: 66330-31
Product Name: CAPTAN TECHNICAL
EPA Receipt Date: 13-Jun-2014
EPA Company Number: 66330
Company Name: ARYSTA LIFESCIENCE NORTH AMERICA, LLC

JIM BARRON
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513-

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-2011-3 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R351

AMENDMENT;UNREGISTERED SOURCE OF ACTIVE INGREDIENT;

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,
Teresa Downs
Front End Processing Staff
Information Technology & Resources Management Division

UN. .D STATES ENVIRONMENTAL PROTEC..ON AGENCY
WASHINGTON, D.C. 20460

September 8, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

MR. RODNEY AKERS
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513-

PRODUCT NAME: CAPTAN TECHNICAL
COMPANY NAME: ARYSTA LIFESCIENCE NORTH AMERICA, LLC
OPP IDENTIFICATION NUMBER:
EPA FILE SYMBOL: 66330-31
EPA RECEIPT DATE: 09/03/14

SUBJECT: RECEIPT OF AMENDMENT

DEAR REGISTRANT:

The Office of Pesticide Programs has received your application for an amendment and it has passed an administrative screen for completeness.

During the initial screen we determined that the application appears to qualify for fast track review. The package will now be forwarded to the Product Manager for review to determine its acceptability for fast track status.

If you have any questions, please contact Registration Division, Risk Management Team 22, at (703) 308-9443.

Sincerely,

Front End Processing Staff
Information Services Branch
Information Technology & Resources Management Division

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

June 16, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 13-JUN-14. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

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

September 05, 2014

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

Report of Analysis for Compliance with PR Notice 11-03

Thank you for your submittal of 03-SEP-14. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 11-03. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

66330-31

E-SUBMISSION

Memorandum

Date: 6/17/14

To: 22, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a:
- ☒ fully accepted submission
- ☐ partially accepted submission
- ☐ rejected submission

UW330-31

Memorandum

E-SUBMISSION

Date: 09 / 11 / 2014

To: PM 22, Regulatory Manager

From: Information Services Branch, ITRMD

Your receipt of this data submission is not an indication that MRIDs for the enclosed studies have been posted to OPPIN.

We expect that it will be approximately 5 days from the above date before the study-level data is available in OPPIN.

If you have any questions about this process, please contact Teresa Downs (305-5363).

This is a:
- [x] fully accepted submission
- [ ] partially accepted submission
- [ ] rejected submission

Fee for Service

{953583>~

This package includes the following

- ○ New Registration
- ◉ Amendment

☑ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ___

for Division

- ○ AD
- ○ BPPD
- ◉ RD

Risk Mgr. 22

Receipt No. S-	953583
EPA File Symbol/Reg. No.	66330-31
Pin-Punch Date:	6/13/2014

☐ This item is NOT subject to FFS action.

Action Code:

Requested: R351

Granted: R351

Amount Due: $ 12,596

Parent/Child Decisions:

☐ Inert Cleared for Intended Use ☐ Uncleared Inert in Product

Reviewer: Steve Schnicke Date: 6/16/14

Remarks:

E-SUBMISSION

Fee for Service

{957395S~

This package includes the following

- ○ New Registration
- ◉ Amendment

☐ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ___

for Division

- ○ AD
- ○ BPPD
- ◉ RD

Risk Mgr. 22

Receipt No.	S-	957395
EPA File Symbol/Reg. No.		66330-31
Pin-Punch Date:		9/3/2014

☒ This item is NOT subject to FFS action.

Action Code:

Requested:

Granted:

Amount Due: $ _____

Parent/Child Decisions:

☐ Inert Cleared for Intended Use ☐ Uncleared Inert in Product

Reviewer: [signature] Date: 9/8/14

Remarks:

Resubmission -

* Tech Screen def Response *

→ Expedite to pm ←

e-Submission

Dykes, Jan

From: paygovadmin@mail.doc.twai.gov
Sent: Wednesday, June 11, 2014 4:18 PM
To: Dykes, Jan
Subject: Pay.gov Payment Confirmation: PRIA Service Fees

Your payment has been submitted to Pay.gov and the details are below. If you have any questions or you wish to cancel this payment, please contact Pay.gov Customer Service by phone at (800) 624-1373 or by email at pay.gov.clev@clev.frb.org.

Application Name: PRIA Service Fees
Pay.gov Tracking ID: 25G57FLV
Agency Tracking ID: 74630545088
Transaction Type: Sale
Transaction Date: Jun 11, 2014 4:17:35 PM

Account Holder Name: Nicole Kroner
Transaction Amount: $12,596.00
Billing Address: 15401 Weston Parkway
Billing Address 2: Suite 150
City: Cary
State/Province: NC
Zip/Postal Code: 27513
Country: USA
Card Type: AmericanExpress
Card Number: **********1015

Decision Number:
Registration Number: 66330-31
Company Name: Arysta LifeScience NA LLC Company Number: 66330 Action Code: R351

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

E-SUBMISSION

Material Sent for Data Extraction

Reg. # 66330-31

Description: Captan Technical

☒ Material(s) Sent to Data Extraction Contractors:

- ☒ New Stamped Label Dated 9/20/11
- ☐ Notification Dated _____
- ☒ New CSF(s) Dated 8/31/11
- ☐ Other: _____

☒ Decision #: 447096

☐ Other Action/Comments: _____

File this coversheet and attached materials in the jacket. It must be well organized and clipped together, NOT STAPLED. Then give the jacket with the coversheet and materials to staff in the Information Services Center (ISC) (Room S-4900). If a jacket is full or only available as an image, please file materials in a new jacket and bring it down to the (ISC). For further information please call 703-605-0716.

Reviewer: Mazman

Phone: 308-8050 Division: RD

Date: 9-21-11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Gary R. Orr, Ph.D.
Regulatory Manager
Arysta LifeScience
15401 Weston Parkway, Suite 150
Cary, NC 27513

SEP 20 2011

Subject: **Captan Technical**
EPA Reg. No. 66330-31
Revised Basic CSF and Label
EPA Decision Number 447096
Your Application Dated March 25, 2011

Dear Dr. Orr:

The amended label and Basic CSF dated 8/31/11 referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

This CSF supersedes all CSFs previously accepted for this product. One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Tawanda Maignan by phone at (703) 308-8050 or via email at Maignan.Tawanda@epa.gov.

Sincerely,

Tony Kish

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7504P)

Enclosure

Arysta LifeScience

ACCEPTED
SEP 2 0 2011
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66330-31

CAPTAN TECHNICAL

FOR MANUFACTURING PURPOSES ONLY

THIS PRODUCT IS A FUNGICIDE FOR USE IN FURTHER MANUFACTURE OF PESTICIDES AND FUNGAL-RESISTANT PAINTS

INGREDIENTS:	By Wt.
ACTIVE INGREDIENTS:	
Captan*	95.92%
Related Derivatives	1.48%
OTHER INGREDIENTS:	2.60%
TOTAL	100.00%

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.

EPA Reg. No.: 66330-31 **EPA Est. No.: _____**

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

EMERGENCY TELEPHONE NUMBERS:

Have product container or label with you when calling poison control center or doctor or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL:
1-866-303-6952

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call
CHEMTREC 1-800-424-9300

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Net Contents: ___ lbs (___ kg)

Produced For:
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear goggles or face shield when handling. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems, without previously notifying the local sewage treatment plant authority. Do not contaminate water when disposing of equipment washwaters. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into manufacturing equipment. Offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

This product is intended for further manufacturing of pesticides only. All formulators are responsible for obtaining EPA registration for their formulated product. For additional information regarding the directions for use for further manufacturing into end-use pesticide products, contact Arysta LifeScience North America, LLC at 866-761-9397.

Only for formulation into a fungicide for the following use(s):
Wettable powder formulations must prohibit aerial application on their end use product labels unless packaged in water soluble packets.

Seed Treatments:		
Alfalfa		
Beans	Cucumbers	Pumpkins
Beets	Eggplant	Radish
Broccoli	Flax	Rape
Brussels Sprouts	Grasses	Rutabaga
Cabbage	Honeydew	Safflower
Cantaloupe	Kale	Sesame
Carrots	Lentils	Sorghum
Cauliflower	Lespedeza	Soybeans
Cereal Grains	Lettuce	Spinach
--Barley, Rye	Melons	Squash
--Oats	Milo	Sugar Beets
--Wheat	Muskmelons	Sunflowers
Clover	Mustard Greens	Swiss Chard
Collards	Okra	Tomato
Corn (field, pop, sweet)	Onions	Trefoil
Cotton	Peanuts	Turnip
Cowpea	Peas	Watermelon
	Peppers	
	Potato (Seed Piece)	

Foliar Treatment:		
Almonds	Cherries	Plums (Fresh Prunes)
Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
Blueberries	Peaches	

Post-Harvest Dip:		
Apples	Cherries	Pears

Pre-Plant Root Dip:
Peaches

Non-Food/Ornamentals:		
Azaleas	Conifers	Flowering Plants
Begonias	Dichondra	Roses
Camellias	Ginseng	
Carnations	Gladiolus	
Chrysanthemums	Turf (golf courses) and sod farms	

Soil:
Seed beds and greenhouse bench treatment

Indoor/Industrial:		
Paints	Plastics	Adhesives

This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

CAPTAN TECHNICAL (PENDING) 08/23/11

FEE

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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

OFFICE OF PESTICIDE PROGRAMS
REGISTRATION DIVISION (7505P)

DATE: 09/13/11

SUBJECT: Product Chemistry Review of "Captan Technical" TGAI/MUP

FROM: Indira Gairola - Product Chemistry Team
Technical Review Branch/RD (7505P)

09/13/11

SBm 9/14/11

TO: Tawanda Magnum PM 22
Fungicide Branch / RD (7505P)"

DP BARCODE: 393479
DECISION No.: 447096
REGISTRATION NO./FILE SYMBOL NO.: 66330-31
PRODUCT NAME: Captan Technical
PC CODE: 081301
REGISTRANT: Arysta Life Sciences North America, LLC
USE: Fungicide
FOOD USE: Yes [X] No [ ]
MRID Numbers: NA

INTRODUCTION:

As per TRB request registrant has submitted a revised label along with a revised Basic CSF for details please refer to the review by Indira Gairola dated 07/14/11 under Bar Code 388862.
Details are listed below:

SUMMARY OF FINDINGS:

1. The subject product contains 95.92% of Captan and 1.48% of related derivatives.

2. The registrant has submitted a revised Confidential Statement of Formula (CSF) for the basic formulation (dated 08/31/11). The product chemistry data corresponding to guideline reference 830.1550 (product identity & composition) submitted on the CSF satisfy the data requirements of 40CFR§158.155.

3. Applicant has made the necessary changes to reflect the correct amount of active ingredient + its derivatives The revised basic CSF dated 08/31/11 is acceptable .

4. As per TRB recommendations label has been revised to include correct label ingredient statement and is found acceptable.

CONCLUSIONS:

The TRB has reviewed a revised Basic CSF and Product Label for Technical TGAI (produced by Arysta Life Sciences North America, LLC) and has concluded that:

1. The proposed CSF dated 08/31/11 is acceptable and will supersede any other Basic CSF in file.

2. The revised label submitted is acceptable.

3. Product chemistry data submitted for guideline 830 Series for rest of the group A were reviewed earlier and were found acceptable.

Captan Technical (EPA Reg. No.: 66330-31) EPA Decision Number D-447096
ORR, Gary
to:
Tawanda Maignan
08/31/2011 03:37 PM
Cc:
Tony Kish, "SARGENT, Dana", "DYKES, Jan"
Hide Details
From: "ORR, Gary" <Gary.ORR@arystalifescience.com>

To: Tawanda Maignan/DC/USEPA/US@EPA

Cc: Tony Kish/DC/USEPA/US@EPA, "SARGENT, Dana" <Dana.Sargent@arystalifescience.com>, "DYKES, Jan" <Jan.Dykes@arystalifescience.com>

4 Attachments

image001.gif CaptanTech CSF revised basic 8_31_2011.pdf

066330-00031.20110823.CAPTANTECHNICALCLN.pdf 066330-00031.20110823.CAPTANTECHNICALSTK.pdf

Dear Ms. Maignan,

I've attached a revised CSF and label for the subject product. The revised CSF now groups and subtotals the captan related derivatives and that sum is carried forward to the revised label. This CSF is the new basic CSF for this product, replacing the current CSF now on file with the Agency. The label is revised principally to reflect the AI, Related Derivative, and Other Ingredient content of this new source of active, but there are some housekeeping changes to the label as well (e.g., Container Handling replacing Container Disposal); these are clearly marked in the strikeout version provided.

Please let me know if you require anything further of us.

Best regards,

Gary Orr

Gary R. Orr, Ph.D.
Regulatory Manager

Arysta LifeScience

Arysta LifeScience North America
15401 Weston Parkway, Suite 150
Cary, NC 27513
Office: 919-678-4879
Mobile: 919-802-8809

Arysta LifeScience

CAPTAN TECHNICAL

FOR MANUFACTURING PURPOSES ONLY

THIS PRODUCT IS A FUNGICIDE FOR USE IN FURTHER MANUFACTURE OF PESTICIDES AND FUNGAL-RESISTANT PAINTS

INGREDIENTS:	By Wt.
ACTIVE INGREDIENTS:	
Captan*	95.92%
Related Derivatives	1.48%
OTHER INGREDIENTS:	2.60%
TOTAL	100.00%

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.

EPA Reg. No.: 66330-31 **EPA Est. No.: _____**

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

EMERGENCY TELEPHONE NUMBERS:

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FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL:

1-866-303-6952

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call

CHEMTREC 1-800-424-9300

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Deleted: MB042805a AD092606¶ PR Notice 2007-4 Page 1 of 5

Field Code Changed

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Deleted: 85

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PR Notice 2007-4 Page 1 of 5

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Net Contents: ___ lbs (___ kg)

Produced For:
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear goggles or face shield when handling. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems, without previously notifying the local sewage treatment plant authority. Do not contaminate water when disposing of equipment washwaters. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into manufacturing equipment. Offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Deleted: DISPOSAL

DIRECTIONS FOR USE

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

This product is intended for further manufacturing of pesticides only. All formulators are responsible for obtaining EPA registration for their formulated product. For additional information regarding the directions for use for further manufacturing into end-use pesticide products, contact Arysta LifeScience North America, LLC at 866-761-9397.

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Wettable powder formulations must prohibit aerial application on their end use product labels unless packaged in water soluble packets.

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Deleted: MB042805a AD092606¶
PR Notice 2007-4 Page 1 of 5

Seed Treatments:		
Alfalfa		
Beans	Cucumbers	Pumpkins
Beets	Eggplant	Radish
Broccoli	Flax	Rape
Brussels Sprouts	Grasses	Rutabaga
Cabbage	Honeydew	Safflower
Cantaloupe	Kale	Sesame
Carrots	Lentils	Sorghum
Cauliflower	Lespedeza	Soybeans
Cereal Grains	Lettuce	Spinach
--Barley, Rye	Melons	Squash
--Oats	Milo	Sugar Beets
--Wheat	Muskmelons	Sunflowers
Clover	Mustard Greens	Swiss Chard
Collards	Okra	Tomato
Corn (field, pop, sweet)	Onions	Trefoil
Cotton	Peanuts	Turnip
Cowpea	Peas	Watermelon
	Peppers	
	Potato (Seed Piece)	

Foliar Treatment:		
Almonds	Cherries	Plums (Fresh Prunes)
Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
Blueberries	Peaches	

Post-Harvest Dip:		
Apples	Cherries	Pears

Pre-Plant Root Dip:
Peaches

Non-Food/Ornamentals:		
Azaleas	Conifers	Flowering Plants
Begonias	Dichondra	Roses
Camellias	Ginseng	
Carnations	Gladiolus	
Chrysanthemums	Turf (golf courses) and sod farms	

Soil:
Seed beds and greenhouse bench treatment

Indoor/Industrial:		
Paints	Plastics	Adhesives

Deleted: CAPTAN TECHNICAL

Deleted: MB042805a AD092606¶
PR Notice 2007-4 Page 1 of 5

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Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Deleted: Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of Arysta LifeScience North America, LLC ("Arysta"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

CAPTAN TECHNICAL (PENDING) 08/23/11

Arysta LifeScience

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EPA Reg. No.: 66330-31 **EPA Est. No.: _____**

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DIRECTIONS FOR USE

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

This product is intended for further manufacturing of pesticides only. All formulators are responsible for obtaining EPA registration for their formulated product. For additional information regarding the directions for use for further manufacturing into end-use pesticide products, contact Arysta LifeScience North America, LLC at 866-761-9397.

Only for formulation into a fungicide for the following use(s):
Wettable powder formulations must prohibit aerial application on their end use product labels unless packaged in water soluble packets.

Seed Treatments:		
Alfalfa		
Beans	Cucumbers	Pumpkins
Beets	Eggplant	Radish
Broccoli	Flax	Rape
Brussels Sprouts	Grasses	Rutabaga
Cabbage	Honeydew	Safflower
Cantaloupe	Kale	Sesame
Carrots	Lentils	Sorghum
Cauliflower	Lespedeza	Soybeans
Cereal Grains	Lettuce	Spinach
--Barley, Rye	Melons	Squash
--Oats	Milo	Sugar Beets
--Wheat	Muskmelons	Sunflowers
Clover	Mustard Greens	Swiss Chard
Collards	Okra	Tomato
Corn (field, pop, sweet)	Onions	Trefoil
Cotton	Peanuts	Turnip
Cowpea	Peas	Watermelon
	Peppers	
	Potato (Seed Piece)	

Foliar Treatment:		
Almonds	Cherries	Plums (Fresh Prunes)
Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
Blueberries	Peaches	

Post-Harvest Dip:		
Apples	Cherries	Pears

Pre-Plant Root Dip:
Peaches

Non-Food/Ornamentals:		
Azaleas	Conifers	Flowering Plants
Begonias	Dichondra	Roses
Camellias	Ginseng	
Carnations	Gladiolus	
Chrysanthemums	Turf (golf courses) and sod farms	

Soil:
Seed beds and greenhouse bench treatment

Indoor/Industrial:		
Paints	Plastics	Adhesives

This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

CAPTAN TECHNICAL (PENDING) 08/23/11

Recommendation of Division Directors
Negotiated Due Dates

Decision #: 447096	Registration #: 66330-31	Petition #: NA

☐ *See page 2 for additional registration entries*

Chemical Name: Captan

Fee Category: R340 | **PRIA Decision Time Frame:** 4 months

Submitted by: Tawanda Maignan | **Branch:** OCSPP/OPP/RD | **Date:** 08/18/2011

Company: Arysta LifeScience

Original PRIA Due Date: 08/19/2011 | **Proposed New PRIA Due Date:** 11/21/2011

Previous Negotiated Due Dates:

Is the "Fix" in-house? ☐ Yes ☑ No ☐ n/a | **If not, date "Fix" expected:** 09/01/2011

Negotiated Due Date Reason:

Additional Data Required	☑ Product Chemistry	☐ Toxicology	☐ Acute Tox	☐ Environmental	
	☐ Efficacy	☐ Ecological	☐ Residue	☐ Other	
Data Deficiencies	☑ Product Chemistry	☐ Acute Tox	☐ Efficacy	☐ Residue	☐ Toxicology
	☐ Environmental	☐ Ecological	☐ Labeling	☐ Other	☐ Not Submitted
Late Risk Assessment	☐ Human Health	☐ Ecological			
Interim Consideration	☐ Agency Initiated	☐ Registrant Initiated			

☑ CSF	☐ Public Process	☐ Risk Issues Environmental	☐ Risk Issues Human Health
☐ Impurities Review	☑ Label	☐ Administrative-FR Notice	☐ Other – Comment Field

Summary of Deficiency Type(s): ☐ **Not Submitted (N)** ☐ **Deficiencies (D)**

Product Chemistry: ☐ **Acute Tox:** ☐ **Efficacy:** ☐ **Labeling:** ☐ **Ecological Data:** ☑ **Other (describe):** ☐

Describe Interactions with Company (describe when contacted and company's response including response to previous negotiated due dates):

Upon receipt of the Product Chemistry review (7/20/22) for this action the registrant was contacted about the deficiencies. The registrant has been responsive and corporative. There were no prior negotiated due dates.

"75 Day" Letter sent? ☐ **Yes, Date sent** ☑ **No and reason for none?** *Add comments on page 2*

Rationale for Proposed Due Date: The addtional time is needed to receive and review the new information

Registrant notified that this is the last negotiation? ☐ **Yes** ☑ **Not Applicable**

Approve: ☑ | **Disapprove:** ☐

If disapproved, action to be taken:

OD or DOD Signature: *CN=Marty Monell/OU=DC/O=USEPA/C=US* | **Date:** *08/19/2011*

Decision #:	Registration #:	Petition #:

Issue(s) (describe in detail):

The registrant submitted an application for a new alternate source for the subject product. However, the review of the data identified that the active ingredient percentage was outside the label claim. Therefore, the registrant would like submit a new label and revised CSF to make the new source serve as the basic formulation. The registrant plans to submit the new information within the next couple of weeks.

Comment(s):

A 75-day letter was not drafted due to the time limitations and the PRIA due date. Instead an email and phones were the primary methods of contact to inform the registrant of the issues.

Audit Trail for

Recommendation of Division Directors Negotiated Due Dates

PDF Name: PRIAv4a.pdf
Form Number: PRIA
Document Identifier: PRIA-11230124822-TM

SUBMITTED on 08/18/2011 at 01:09:51 PM by CN=Tawanda Maignan/OU=DC/O=USEPA/C=US

APPROVED on 08/18/2011 at 01:43:11 PM by CN=Mary Waller/OU=DC/O=USEPA/C=US

APPROVED on 08/19/2011 at 10:43:35 AM by CN=Dan Rosenblatt/OU=DC/O=USEPA/C=US

APPROVED AND COMPLETED on 08/19/2011 at 11:04:36 AM by CN=Marty Monell/OU=DC/O=USEPA/C=US

Arysta LifeScience

August 18, 2011

Ms. Tawanda Maignan (PM Team 22)
Office of Pesticide Programs (7505P)
U.S. Environmental
1200 Pennsylvania Avenue, N. W.
Washington, DC 20460

Subject: **Request for Extended PRIA Date: New Source of Active Ingredient Captan Technical (EPA Reg. No.: 066330-31), EPA Decision Number D-447096**

Ms. Maignan:

The subject action is classed under PRIA Action Code R340. The original PRIA date for this action is August 19, 2011. Arysta LifeScience North America, LLC hereby request an extension of the PRIA date by 90 days to November 21, 2011 to allow review of a revised CSF and label to be submitted by Arysta on or before September 1, 2011

Thank you in advance for your consideration and approval of this request.

Best regards,

Gary R. Orr, PhD

Regulatory Manager

Arysta LifeScience North America 15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900
Fax 919-678-2194 www.arystalifescience.com

Explore Registrations

Reg Number: 66330-31 Reg. Type: Product Registration - Section 3 Status: Registered (22-Dec-1987)

Name: CAPTAN TECHNICAL <View Registration Details>

(No New Receipts)

S:	Submission Type	OPP Rec'vd Date	Resubmission	Description

...Decisions...

- D: Pending; 447096; 66330-31;R340;NON-FA
  - 75-Day Letters
  - (ALERT) S: 901899 8/15/2011; Amendm
  - S: 892895 3/29/2011; Amendment; 6633
- D: Closed; 412812; 66330-31;332;NOTIFICA
- D: Closed; 374408; 66330-31;570;CONDITIC
- D: Closed; 356892; 66330-31;R23.0;NEW US
- D: Closed; 348188; 66330-31;300;LABEL RE
- D: Closed; 321486; 66330-31;676;Product Re
- D: Closed; 37182; 66330-31;300;LABEL REV
- D: Pending; 37181; 66330-31;330;FOOD/FEE
- D: Pending; 37180; 66330-31;405;ADVERSE
- D: Closed; 37179; 66330-31;300;LABEL REV
- D: Closed; 37178; 66330-31;300;LABEL REV
- D: Closed; 37177; 66330-31;300;LABEL REV
- D: Closed; 37176; 66330-31;300;LABEL REV
- D: Closed; 37175; 66330-31;300;LABEL REV
- D: Closed; 37174; 66330-31;655;FORMULA T
- D: Pending; 37173; 66330-31;660;GENERIC
- D: Pending; 37172; 66330-31;660;GENERIC

ALERT S: 901899 Reg #: 66330-31

Submission Type: Amendment

Resubmission?: (•) Yes ( ) No E-Sub #:

Decision #: 447096; R340;NON-FAST-TRACK (INCLUDES CHANGES TO

Submitter Company: ARYSTA LIFESCIENCE NORTH AMERICA, LLC

Application Date: 14-Aug-2011

OPP Received Date: 15-Aug-2011 Date Sent to Risk manager: 15-Aug-2011

Studies Included?: ( ) Yes (•) No Fast Track?: ( ) Yes (•) No

Form A Signed?: ( ) Yes ( ) No (•) None Date:

Form B Signed?: ( ) Yes ( ) No (•) None Date:

Reviewer: Maignan, Tawanda

Received DT: Editable Due DT:

Submission Due DT: 19-Aug-2011 Response: 0 , 15-Aug-2011

Priority Weight: Priority Points:

Comments: Revised CSF

CaptanTech CSF revised final 8_14_2011 bold.pdf - Adobe Acrobat Professional
ORR, Gary
to:
Tawanda Maignan
08/14/2011 10:38 PM
Cc:
Tony Kish
Hide Details
From: "ORR, Gary" <Gary.ORR@arystalifescience.com>

To: Tawanda Maignan/DC/USEPA/US@EPA

Cc: Tony Kish/DC/USEPA/US@EPA

History: This message has been replied to.

1 Attachment

CaptanTech CSF revised final 8_14_2011 bold.pdf

Ms. Maignan,

The revised Captan CSF is attached. I've revised the nominal for this source to [redacted] and took standard upper and lower limits for that nominal claim. I made up for the lower ai content (than originally claimed) by adding to the non-resolved mass line.

Please review this an let me know if this is what you had in mind.

Best regards,

Gary Orr
919-802-8809

Product ingredient source information may be entitled to confidential treatment

Pages 76-77 Confidential Statement of Formula may be entitled to confidential treatment

66330-54

DATA PACKAGE BEAN SHEET

Date: 19-Apr-2011

Decision #: 447096
DP #: (388862)
PRIA
Parent DP #:
Submission #: 892895

R340 #78736

* * * Registration Information * * *

Registration: 66330-31 - CAPTAN TECHNICAL

Company: 66330 - ARYSTA LIFESCIENCE NORTH AMERICA, LLC

Risk Manager: RM 22 - Tony Kish - (703) 308-9443 Room# PY1 S-7318

Risk Manager Reviewer: Tawanda Maignan TMAIGNAN

Sent Date: Calculated Due Date: 19-Aug-2011 Edited Due Date:

Type of Registration: Product Registration - Section 3

Action Desc: (R340) NON-FAST-TRACK (INCLUDES CHANGES TO PRECAUTIONARY LABEL STATEME

Ingredients: 081301, Captan(90.85%) 90.85%

* * * Data Package Information * * *

Expedite: ○ Yes ● No Date Sent: 19-Apr-2011 Due Back:

DP Ingredient: 081301, Captan

DP Title: 66330-31 Captan Tech New Alt Source Chem Rev

CSF Included: ● Yes ○ No Label Included: ● Yes ○ No Parent DP #:

	Assigned To	Date In	Date Out		
Organization:	RD / TRB			Last Possible Science Due Date:	20-Jul-2011
Team Name:	CHEM			Science Due Date:	
Reviewer Name:				Sub Data Package Due Date:	
Contractor Name:					

* * * Studies Sent for Review * * *

Printed on Page 2

* * * Additional Data Package for this Decision * * *

No Additional Data Packages

* * * Data Package Instructions * * *

ATTENTION RD/TRB PRODUCT CHEMISTRY:

Please review the attached for acceptability in support of Arystal LifeScience's application to amend the Captan Technical registration by adding an unregistered [redacted] of the technical grade active ingredient. Should you have any question do not hesitate to contact me. Thanks, Tawanda (308-8050)

Gary Orr
919-802-8809
919-678-4883

Product ingredient source information may be entitled to confidential treatment

DP#: (388862) *** Studies Sent for Review *** Decision#: (447096)

MRID	MRID Status	Citation Reference	Guideline
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.7100/Viscosity
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.6303/Physical state
48434801		Orr, G. (2011) Captan Technical Product Chemistry Data: Product Identity and Composition, Descriptin of Beginning Materials, Description of Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: ARY/400/2455645. Unpublished study prepared by Arysta Lifescience North America, LLC. 76 p.	830.1670/Discussion of formation of impurities
48434801		Orr, G. (2011) Captan Technical Product Chemistry Data: Product Identity and Composition, Descriptin of Beginning Materials, Description of Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: ARY/400/2455645. Unpublished study prepared by Arysta Lifescience North America, LLC. 76 p.	830.1620/Description of production process
48434801		Orr, G. (2011) Captan Technical Product Chemistry Data: Product Identity and Composition, Descriptin of Beginning Materials, Description of Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: ARY/400/2455645. Unpublished study prepared by Arysta Lifescience North America, LLC. 76 p.	830.1600/Description of materials used to produce the product
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.7000/pH
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.6302/Color
48434800		Arysta LifeScience North America, LLC (2011) Submission of Product Chemistry Data in Support of the Amended Registration of Captan Technical. Transmittal of 2 Studies.	
48434801		Orr, G. (2011) Captan Technical Product Chemistry Data: Product Identity and Composition, Descriptin of Beginning Materials, Description of Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: ARY/400/2455645. Unpublished study prepared by Arysta Lifescience North America, LLC. 76 p.	830.1750/Certified limits
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.6304/Odor
48434801		Orr, G. (2011) Captan Technical Product Chemistry Data: Product Identity and Composition, Descriptin of Beginning Materials, Description of Production Process, Discussion of the Formation of Impurities, and Certified Limits. Project Number: ARY/400/2455645. Unpublished study prepared by Arysta Lifescience North America, LLC. 76 p.	830.1550/Product Identity and composition
48438402		Guzzetta, J. (2009) Characterization and Product Chemistry Evaluation for ORD-X380. Project Number: 2009/03. Unpublished study prepared by Osmose Inc. 19 p.	830.7300/Density/relative density

DATA EVALUATION RECORD

CAPTAN
(CAPTAN TECHNICAL)

STUDY TYPES: Product Identity and Composition (OPPTS 830.1550)
Description of Materials Used to Produce the Product (OPPTS 830.1600)
Description of the Formulation Process (OPPTS 830.1650)
Discussion of Formation of Impurities (OPPTS 830.1670)
Preliminary Analysis (OPPTS 830.1700)
Certified Limits (OPPTS 830.1750)
Enforcement Analytical Method (OPPTS 830.1800)

MRIDs 484348-01 THROUGH 484348-02

Prepared for
Registration Division
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

Prepared by
Summitec Corporation
9724 Kingston Pike, Suite 602
Knoxville, Tennessee 37922

Task Order No. 3-A-51

Primary Reviewer: Thomas C. Marshall, Ph.D.	Signature:	Thomas C. Marshall
	Date:	07/06/2011
Secondary Reviewers: Dennis Opresko, Ph.D.	Signature:	
	Date:	07/06/2011
Robert Ross, M.S., Program Manager	Signature:	Robert H. Ross
	Date:	07/06/2011
Quality Assurance: Angie Edmonds, B.S.	Signature:	Angie Edmonds
	Date:	07/06/2011

Disclaimer
This review may have been altered subsequent to the contractor's signatures above.

FEE

DATA EVALUATION RECORD

DATE: 07/13/11

SUBJECT: Product Chemistry Review of "Captan Technical" TGAI/MUP

FROM: Indira Gairola 07/14/11
Product Chemistry Team
Technical Review Branch/RD (7505P)

SBrna 7/14/11

TO: Tawanda Magnum PM 22
Fungicide Branch / RD (7505P)"

DP BARCODE: 388862
DECISION No.: 447096
REGISTRATION NO./FILE SYMBOL NO.: 66330-31
PRODUCT NAME: Captan Technical
PC CODE: 081301
REGISTRANT: Arysta Life Sciences North America, LLC
USE: Not stated in MRIDs
FOOD USE: Yes [X] No [ ]
MRID Numbers: 484348-01 through 484348-02

INTRODUCTION:

The registrant is seeking to amend the registration by adding an alternate source of an unregistered technical grade active ingredient. The existing product, Captan Technical (EPA Reg. No. 66330-31),is for manufacturing use only. A basic formulation using a six-step process is described.

SUMMARY OF FINDINGS:

1. The registrant submitted a Confidential Statement of Formula (CSF) for the basic formulation (March 25, 2011). The product chemistry data corresponding to guideline reference 830.1550 (product identity & composition) submitted on the CSF satisfy the data requirements of 40CFR§158.155.
The data corresponding to guideline reference 830.1750 (certified limits) do not satisfy the requirements of 40CFR§158.175 [MRID No. 484348-01]. The total weight percent of the components exceeds 100% by 0.6% (100.6%). It could not be verified that the content of active ingredient given on the CSFfor the basic formulation matches the label .since the source product is unregistered.

2. The product chemistry data submitted corresponding to guideline reference 830.1600 (description of material used to produce the product) satisfy the data requirements of 40CFR§ 158.160 [MRID No. 484348-01].

3. The product chemistry data submitted corresponding to guideline reference 830.1620 (description of production process) satisfy the data requirements for 40CFR§158.162 [MRID No. 484348-01].

4. The product chemistry data submitted corresponding to guideline reference 830.1670 (discussion of the formation of impurities) satisfy the data requirements for 40CFR§158.167 [MRID No. 484348-01].

5. The product chemistry data submitted corresponding to guideline reference 830.1700 (preliminary analysis) indicate % of active ingredients exceed the standard certified limits based on the label claim of (90.85%) The CSF cannot be accepted as such therefore it does not satisfy the data requirements

of 40CFR§158.170 [MRID No. 484348-02].

6. The product chemistry data submitted corresponding to the guideline reference 830.1800 (enforcement analytical method) satisfy the data requirements of 40CFR§158.180 [MRID 484348-01] using a GLC/FID method (CIPAC Method 40/TCM.4/3). The analyses of six batches in MRID 484348-02 used an HPLC/UV analytical method with no explanation for the difference.

7. No data were submitted corresponding to guidelines 830 Series Subgroup B (physical-chemical properties), therefore, the data requirements of 40CFR§158.190 were not verifiable.

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for Technical TGAI (produced by Arysta Life Sciences North America, LLC) and has concluded that:

1. Product chemistry data submitted for guideline 830 Series group A are acceptable except the preliminary analyses.and Certified limits.

2. The proposed CSF dated 03/25/11 is not acceptable, since the nominal concentration of the active Ingredient falls extends the certified limits of the product label claim .

3. No product chemistry data corresponding to 830 series group B (physical-chemical properties) were submitted for verification. The source product is unregistered all the Product chemistry data for sub group must be submitted for review.

BARCODE: 388862; **Reg. No. /FILE SYMBOL No.**:66330-31; **PRODUCT NAME**: Captan Technical;

830.1550. Product identity & composition: (MRID No. 484348-01)

Common Name: Captan

Chemical name (CAS): Not provided

(IUPAC): 2-(Trichloromethylthio)-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione

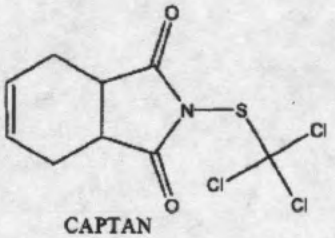
CAS No.: 133-06-2

PC Code No.: 081301

Empirical Formula: $C_9H_8O_2NSCl_3$

Molecular Weight: 300.61

Structural Formula:



CAPTAN

Table 1. Manufacturing and Impurity Data for Chlorpropham Tech 98% TGAI

GLN	Requirement	MRID	Status	Details and /or Deficiency
830.1550	Product Identity and composition	484348-01	A	CSF
830.1600	Description of materials used to produce the product	484348-01	A	
830.1620	Description of production process	484348-01	A	
830.1670	Discussion of formation of impurities	484348-01	A	
830.1700	Preliminary analysis	484348-02	N	
830.1750	Certified limits	484348-01	N	
830.1800	Enforcement analytical method	484348-01	A	Different method used in batch analyses without explanation

A = Acceptable; N = Unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress ;
U = Up-grade (additional information required);

830 Series Subgroup B (Physical-Chemical Properties)

Table 2: Physical and Chemical Properties of: Technical TGAI

GLN	Requirement	MRID	Status	Result or Deficiency
830.6302	Color			Data not provided for review.
830.6303	Physical state			Data not provided for review.
830.6304	Odor			Data not provided for review.
830.6313	Stability to normal and elevated temperatures, metals, and metal ions			Data not provided for review.
830.6314	Oxidation/reduction: chemical incompatibility			Data not provided for review.
830.6315	Flammability	CSF	N/A	
830.6316	Explodability			Data not provided for review.
830.6317	Storage stability			Data not provided for review.
830.6319	Miscibility			Data not provided for review.
830.6320	Corrosion characteristics			Data not provided for review.
830.7000	pH	CSF	A	Data not provided for review.
830.7050	UV/Visible absorption			Data not provided for review.
830.7100	Viscosity			Data not provided for review.
830.7200	Melting point			Data not provided for review.
830.7220	Boiling point			Data not provided for review.
830.7300	Density			Data not provided for review.
830.7370	Dissociation constants in water (DC)			Data not provided for review.
830.7550	Partition coefficient			Data not provided for review.
830.7840	Water solubility			Data not provided for review.
830.7950	Vapor pressure			Data not provided for review.

A = Acceptable; N = unacceptable (see Deficiency); N/A = Not Applicable; G = Data gap; I = In progress ;
U = Up-grade (additional information required); W = waivers

830.1800 (enforcement analytical method)

The enforcement analytical method to determine the content of active ingredient is GLC with FID detection (CIPAC Method 40/TCM.4/3). Sample chromatograms were provided. The registrant provided the following details in MRID 484348-01:

[redacted]

Manufacturing process information may be entitled to confidential treatment

Pages 86-94 Manufacturing process information may be entitled to confidential treatment

Pages 95-97 Confidential Statement of Formula may be entitled to confidential treatment

CAPTAN TECHNICAL
FOR MANUFACTURING PURPOSES ONLY

THIS PRODUCT IS A FUNGICIDE FOR USE IN FURTHER MANUFACTURE OF PESTICIDES AND FUNGAL-RESISTANT PAINTS

INGREDIENTS:	By Wt.
ACTIVE INGREDIENTS:	
Captan*	90.85%
Related Derivatives	2.00%
INERT INGREDIENTS:	7.15%
TOTAL	100.00%

2.72 (93.57) (88.13)

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.

EPA Reg. No.: 66330-31 **Net Contents: ___ lbs (___ kg)**
EPA Est. No.: _____

KEEP OUT OF REACH OF CHILDREN
DANGER

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

NOTIFICATION
AUG 05 2009

Explore Registrations

Reg Number: 66330-31 Reg. Type: Product Registration - Section 3 Status: Registered (22-Dec-1987)

Name: CAPTAN TECHNICAL <View Registration Details>

(No New Receipts)

S:	Submission Type	OPP Rec'vd Date	Resubmission	Description

...Decisions...

- D: Pending; 447096; 66330-31;R340;NON-FA
  - 75-Day Letters
  - S: 892895 3/29/2011; Amendment; 6633
- D: Closed; 412812; 66330-31;332;NOTIFICA
- D: Closed; 374408; 66330-31;570;CONDITIC
- D: Closed; 356892; 66330-31;R23.0;NEW US
- D: Closed; 348188; 66330-31;300;LABEL RE
- D: Closed; 321486; 66330-31;676;Product Re
- D: Closed; 37182; 66330-31;300;LABEL REV
- D: Pending; 37181; 66330-31;330;FOOD/FEE
- D: Pending; 37180; 66330-31;405;ADVERSE
- D: Closed; 37179; 66330-31;300;LABEL REV
- D: Closed; 37178; 66330-31;300;LABEL REV
- D: Closed; 37177; 66330-31;300;LABEL REV
- D: Closed; 37176; 66330-31;300;LABEL REV
- D: Closed; 37175; 66330-31;300;LABEL REV
- D: Closed; 37174; 66330-31;655;FORMULA7
- D: Pending; 37173; 66330-31;660;GENERIC
- D: Pending; 37172; 66330-31;660;GENERIC
- D: Closed; 37171; 66330-31;300;LABEL REV

S: 892895 Reg #: 66330-31

Submission Type: Amendment

Resubmission?: Yes No

Decision #: 447096; R340;NON-FAST-TRACK (INCLUDES CHANGES TO

Submitter Company: ARYSTA LIFESCIENCE NORTH AMERICA, LLC

Application Date: 25-Mar-2011

OPP Received Date: 29-Mar-2011 Date Sent to Risk manager: 30-Mar-2011

Studies Included?: Yes No Fast Track?: Yes No

Form A Signed?: Yes No None Date:

Form B Signed?: Yes No None Date:

Reviewer: Maignan, Tawanda

Received DT: Editable Due DT:

Submission Due DT: 19-Aug-2011 Response: 0 , 29-Mar-2011

Priority Weight: Priority Points:

Comments: *Alternate formula uses an unregistered [redacted]
(*this notation was already entered.)

Product ingredient source information may be entitled to confidential treatment

APR 13 2011

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

March 31, 2011

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

DANA E. SARGENT
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513-

Report of Analysis for Compliance with PR Notice 86-5

Thank you for your submittal of 29-MAR-11. Our staff has completed a preliminary analysis of the material. The results are provided as follows:

Your submittal was found to be in full compliance with the standards for submission of data contained in PR Notice 86-5. A copy of your bibliography is enclosed, annotated with Master Record ID's (MRIDs) assigned to each document submitted. Please use these numbers in all future references to these documents. Thank you for your cooperation. If you have any questions concerning this data submission, please raise them with the cognizant Product Manager, to whom the data have been released.

Receipt for Section 3

S: 892895

Resubmission: Yes No

Regulatory Type: Product Registration - Section 3

Fee For Service: Yes No

Application Type: Amendment

Billable: Yes No

Company: 66330 ARYSTA LIFESCIENCE NORTH AMERICA, LLC

Print Letter

Enter More Information

Tracking

Risk Manager: Registration Division, Risk Management Team 22

Product #: 66330-31 Product Name: CAPTAN TECHNICAL

Override#:

Me Too Section3: Me Too Product Name:

Application Date: 25-Mar-2011 OPP Rec'vd Date: 29-Mar-2011

Front End Date: 29-Mar-2011 Risk Manager Send Date:

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Receipt Content	Des
Study	
CSF	

Fast Track: New Ingredient:

View/Edit

Receipt Description:

Source change with review of product chemistry data

New Ingredient Request Date:

New Ingredient Received Date:

Form A: Signature Date: Form B: Signature Date:

Arysta LifeScience

484348-00

VIA FEDEX

Mr. Tony Kish
Product Manager 22
Document Processing Desk 7504P (REGFEE)
U.S. Environmental Protection Agency
Office of Pesticide Programs
2777 South Crystal Drive
Arlington, VA 22202-4501

March 25, 2011

Subject: **CAPTAN TECHNICAL (EPA Reg. No.: 66330-31)**
Amendment to Add New Source of AI
PRIA Action Code R340

Dear Mr. Kish:

By way of this submission, Arysta LifeScience North America, LLC is making application for amendment of the CAPTAN TECHNICAL registration to add an alternate source of Technical Grade Active Ingredient. As this action requires require review within RD, Arysta believes that this action fits PRIA category **R340** and carries a PRIA fee of $ 3,617.

In addition to this cover letter, this submission includes three (3) copies each of two product chemistry data volumes, and an administrative volume. Please see the transmittal document for details concerning the data submitted. The administrative volume comprises the following documents: one (1) Transmittal Document, one (1) EPA Form 8570-1 (Application for Pesticide Registration), (2) copies of EPA Form 8570-4 (Confidential Statement of Formula), one (1) EPA Form 8570-34 (Certification with Respect to Citation of Data), one (1) Public, and one (1) EPA Internal Version of EPA Form 8570-35 (Data Matrix), and documentation of PRIA Fee Prepayment.

Should you require additional information or have questions concerning this submission, please contact me at 919-678-4879.

Sincerely,

Gary R. Orr, PhD
Regulatory Manager, Fungicides

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Transmittal Document

Name and Address of Submitter: Arysta LifeScience North America, LLC
15401 Weston Parkway
Cary, NC 27513

Regulatory Action: Captan Technical: alternate source of active ingredient

EPA Reg. No. /File Symbol: 66330-31

Alternate Test Material Names: Captan

Transmittal Date: March 25, 2011

Volume No.	MRID Number	Form ID	Administrative Materials
1	NA - Administrative Materials	None	• Transmittal Document
		EPA Form 8570-1	• Application for Registration
		EPA Form 8570-4	• Confidential Statement of Formula (2)
		EPA Form 8570-34	• Certification with Respect to Citation of Data
		EPA Form 8570-35	• Data Matrix – EPA Internal Version
		EPA Form 8570-35	• Data Matrix – Public Version
		None	• Documentation of PRIA Fee Payment
Volume No.	**MRID Number**	**Guideline**	**Citation**
2	48434801	830.1550,830.1600, 830.1620, 830.1670, & 830.1750	Orr, G.R., (2011) CAPTAN TECHNICAL PRODUCT CHEMISTRY DATA: Product Identity and Composition, Description of Beginning Materials, Description of Production Process, Discussion of Formation of Impurities, and Certified Limits. Unpublished study prepared by Arysta LifeScience North America. 76 P
3	48434802	830.1700	Bacher, R., and Reiner, K. (2009) "Technical Captan: Determination of Purity and Impurity Profiles of Six Technical Batches" Project Number: P/B 1561 G. Unpublished study prepared by PTRL Europe. 117 p

PRIA 2 – 21 Day Content Screen Review Worksheet

(EPA/OPP Use Only)

3/23/09

21 Day Screen Start Date: 3-29-11

Experts In-Processing Signature: MF Harrington Date 3-30-11 Fee Paid: Yes ✓

Division management contacted on issues No_____Yes _____Date _____

EPA Reg. Number: 66330-31	EPA Receipt Date: 3-29-11

	Items for Review			Yes	No	N/A*
1	**Application Form** (EPA Form 8570-1)(link to form) signed & complete including package type			X		
2	**Confidential Statement of Formula** all boxes completed, form signed, and dated (EPA Form 8570-4) (Link to form)			X		
	a) All inerts (link to http://www.epa.gov/opprd001/inerts/), including fragrances, approved for the proposed uses (see Footnote A)	yes	no			
		X				
3	**Certification with Respect to Citation of Data** (EPA Form 8570-34) (Link to form) completed and signed (N/A if 100% repack)			X		
	Certificate and data matrix consistent			X		
	If applicant is relying on data that are compensable, is the offer to pay statement included. (see Footnote B)	yes	no			
	If applicable, is there a letter of Authorization for exclusive use only.					
4	**Formulator's Exemption Statement** (EPA Form 8570-27) (Link to form) completed and signed (N/A if source is unregistered or applicant owns the technical)					X
5	**Data Matrix** (EPA Form 8570-35) (Link to form) both internal and external copies (PR 98-5) (Link to PR 98-5) completed and signed (N/A if 100% repack)			X		
	a) Selective Method (Fee category experts use)	yes	no			
		X				
	b) Cite-All (Fee category experts use)					
	c) Applicant owns all data (Fee category experts use)					
6	**5 Copies of Label (link to http://www.epa.gov/oppfead1/labeling/lrm/) (Electronic labels on CD are encouraged and guidance is available)(link to** http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm#labels)					X

7	**Is the data package consistent with PR Notice 86-5** (link to PRN 86-5)	X		
8	**Notice of Filing (link to http://www.epa.gov/pesticides/regulating/tolerance_petitions.htm) included with petitions (link to http://www.epa.gov/pesticides/regulating/tolerances.htm)**			X
9	**If applicable for conventional applications, reduced risk rationale (link to http://www.epa.gov/opprd001/workplan/reducedrisk.html)**			X
10	**Required Data (link to http://www.epa.gov/pesticides/regulating/data_requirements.htm) and/or data waivers. See Footnote C.**			
	a) List study (or studies) not included with application			

Comments:

Inerts approved for food use under 40 CFR 180.910, pre-and post-harvest application.
Jacket passed.
Studies passed 86-5 review.
MRID 484348

RM
4/1/11

* N/A – Not Applicable

Footnotes

A. During the 21 day initial content review, all CSFs will be reviewed to determine whether all inerts listed, including fragrances, are approved for the proposed uses. If an unapproved inert is identified, the applicant must either 1) resolve the inert issue by, for example, removing the inert, substituting it with an approved inert, submitting documentation that EPA approved the inert for the proposed pesticidal uses, correcting mistakes on the CSF, etc. or 2) provide the data to support OPP approval of the inert or 3) withdraw the application. Removing or substituting an inert ingredient will require a new CSF and may require submission of data. All information, forms, data and documentation resolving the inert issue must have been received by the Agency or the application withdrawn within the 21 day period, otherwise, the Agency will reject the application as described below.

To successfully complete this aspect of the 21 day initial content screen, applicants are **strongly encouraged** to verify that all inert ingredients have been approved for the application's uses **even if a product is currently registered** by consulting the inert Web

site [link to http://www.epa.gov/opprd001/inerts/lists.html] and if the inert is not approved, to **obtain the necessary inert approval prior to submitting an application to register a pesticide product containing that inert ingredient.** Some inert ingredients are no longer approved for food uses or certain types of uses. The name and/or CAS number on a CSF must match the name and CAS number on this web site. Simple typographical errors in the name or CAS number have resulted in processing delays.

If an inert is not listed on the inert ingredient web site and the applicant believes that the inert has been approved, the applicant should contact the Inert Ingredient Assessment Branch (IIAB) at inertsbranch@epa.gov and resolve the issue. Copies of the correspondence with IIAB resolving the issue should accompany the application. All new inerts except PIP inerts are reviewed by IIAB. The IIAB should also be contacted for any questions on what supporting data needs to be submitted for and the Agency's inert review process. Questions on PIP inerts should be directed to the Chief of Microbial Pesticides Branch [Link to http://www.epa.gov/oppbppd1/biopesticides/contacts_bppd.htm].

When a brand, trade, or proprietary name of an inert ingredient is listed on a CSF, additional information such as an alternate name of the inert, CAS number or other information [link to http://www.epa.gov/opprd001/inerts/tips.pdf] must also be included to enable the Agency to determine if it has been approved. Each component of an inert mixture (including a fragrance) must be identified. In some cases, the supplier of the mixture or fragrance may need to provide this information to the Agency. Prior to the Agency's receipt of an application, applicants must arrange with a proprietary mixture or fragrance supplier to provide the component information to the Agency or promptly upon EPA's request. If the inert ingredients in a proprietary blend (including fragrances) cannot or are not identified or provided within the 21-day content review period, the Agency will reject the application.

During the 21 day content review, applicants should submit information to the individual identified by the Agency when the applicant is informed of an unapproved inert.

Unapproved Inerts Identified on CSFs

All applications except conventional new products and PIPs

Once an unapproved inert is identified on a CSF, the Agency will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If this option is selected and implemented, the Agency may request an extension in the PRIA decision review timeframe to accommodate the inert review/approval process;

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of these options is selected and implemented by the applicant within the 21 day content review period, the Agency will reject the application and retain 25% of the full fee of the category identified.

Conventional New Product Applications

When the Registration Division identifies an unapproved inert on a CSF with an application for a new product that the applicant has not identified as requiring an inert approval (R311, R312 or R313), it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the inert's identity or CAS number, providing documentation that the inert has been approved, or removing the unapproved inert from the CSF or replacing it with one that is approved for the application's uses; or

2. Submit the information and data needed for the Agency to approve the unapproved inert, including any required petition to establish or amend a tolerance or exemption from a tolerance. (This option may change the PRIA category for the application, which could require a longer decision review time and a larger fee. If additional fees are due, they must be received by the Agency within the 21 day content review period.)

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21-day content-review period, the Agency will reject the application and retain 25% of the appropriate fee for the new product-inert approval category.

PIP Applications

When the Biopesticide and Pollution Prevention Division identifies an unapproved inert on a PIP CSF and a request to approve the inert does not accompany the application, it will contact the applicant with the following options:

1. Correct the application by, for instance, correcting the spelling or name of the inert to that in 40 CFR 174, or providing documentation that the inert has been approved; or

2. Submit the information and data needed for the Agency to approve the unapproved inert. If an inert ingredient tolerance exemption petition is required, the petition must be received by the Agency and the B903 fee paid within the 21 day period. If this option is selected and implemented, the Agency will discuss harmonizing the timeframe for both actions.

3. Withdraw the application (the Agency retains 25% of the full fee for the fee category estimated); or

If none of the above options is selected and implemented during the 21 day content review period, the Agency will reject the application and retain 25% of the fee.

B. A policy on documentation of offers to pay is still being developed, however, for a me-too or fast track (similar/identical) new product, R300 or A530, an application without the necessary authorizations of offers to pay will be placed into either R301 or A531. The Agency recommends that authorizations of offers to pay be submitted with other PRIA applications to avoid delays in the Agency's decision.

C. Biopesticide applicants are advised to contact the Agency and discuss study waivers prior to submitting their application to the Agency. Documentation of such discussions should be submitted with the study waiver.

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

March 30, 2011

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

OPP Decision Number: D-447096
EPA File Symbol or Registration Number: 66330-31
Product Name: CAPTAN TECHNICAL
EPA Receipt Date: 29-Mar-2011
EPA Company Number: 66330
Company Name: ARYSTA LIFESCIENCE NORTH AMERICA, LLC

DANA E. SARGENT
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513-

SUBJECT: Receipt of Registration Amendment Subject to Registration Service Fee

Dear Registrant:

The Office of Pesticide Programs has received your amendment and certification of payment. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R340

NON-FAST-TRACK (INCLUDES CHANGES TO PRECAUTIONARY LABEL STATEMENTS;SOURCE CHANGES TO AN UNREGISTERED SOURCE);

No additional payment is due at this time.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 308-9362.

Sincerely,
Teresa Downs
Front End Processing Staff
Information Technology & Resources Management Division

Fee for Service

{892895_~

This package includes the following

- ○ New Registration
- ⊙ Amendment

☑ Studies? ☐ Fee Waiver?

☐ volpay % Reduction: ___

for Division

- ○ AD
- ○ BPPD
- ⊙ RD

Risk Mgr. 22

Receipt No. S-	892895
EPA File Symbol/Reg. No.	66330-31
Pin-Punch Date:	3/29/2011

☐ This item is NOT subject to FFS action.

Action Code:

Requested: R340

Granted: R340

Amount Due: $ 3,617

Parent/Child Decisions:

Post-harvest

☒ Inert Cleared for Intended Use ☐ Uncleared Inert in Product

Reviewer: Gene T. Benbow Date: 3/30/11

Remarks:

Receipt for Section 3

S: 892895

Resubmission: Yes No

Regulatory Type: Product Registration - Section 3

Fee For Service: Yes No

Application Type: Amendment

Billable: Yes No

Print Letter

Enter More Information

Tracking

Company: 66330 ARYSTA LIFESCIENCE NORTH AMERICA, LLC

Risk Manager: Registration Division, Risk Management Team 22

Product #: 66330-31 Product Name: CAPTAN TECHNICAL

Override#:

Me Too Section3: Me Too Product Name:

Application Date: 25-Mar-2011 OPP Rec'vd Date: 29-Mar-2011

Front End Date: 29-Mar-2011 Risk Manager Send Date:

FFS Due Date: Negotiated Due Date:

OPP Target Date:

Receipt Content	Des
Study	
CSF	

View/Edit

Fast Track: New Ingredient:

Receipt Description:

Source change with review of product chemistry data

New Ingredient Request Date:

New Ingredient Received Date:

Form A: Signature Date: Form B: Signature Date:

Arysta LifeScience

via FedEx
Tracking No.: 7969 1345 7456

March 25, 2011

Environmental Protection Agency
Washington Finance Center
FIFRA Service Fees
P.O. Box 979074
St. Louis, MO 63197-9000

Subject: Registration Service Fee
CAPTAN TECHNICAL
EPA Reg. No: 66330-31

Dear Sir/Madam:

Enclosed please find Arysta LifeScience North America, LLC check number 46248 in the amount of $3,617.^{00}. This covers the service fee for EPA Registration Category R340. A copy of the Application for Pesticide Registration, Form 8570-1, is enclosed to provide justification for assignment of this Category to this regulatory action.

.

If you have any questions in regards to this submission, please do not hesitate to contact me at 919-678-4886 or by email at gary.orr@arystalifescience.com.

Sincerely,

Gary R. Orr, PhD
Regulatory Manager, Fungicides
Arysta LifeScience North America, LLC

Enclosures

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Commercial/financial information may be entitled to confidential treatment

Ref No: G 26020224

46248

US BANK
GOVERNMENT LOCKBOX 979074
1005 CONVENTION PLAZA
SL-MO-C2-GL
EPA NUMBER 66330
63197 SAINT LOUIS
USA

Page 1 / 1
Check 0046248
Date 03/25/2011
Document 2000087483

Invoice No.	Invoice Date	Gross Amount	Discount	Net Amount
032111	03/21/2011	3,617.00	0.00	3,617.00
Totals :		3,617.00	0.00	3,617.00

WELLS FARGO BANK, N.A. 11-24
420 Montgomery Street, 9th Floor 1210 (8)
San Francisco, Calif. 94104

46248

Arysta LifeScience
North America Corporation
PO Box 2170
Cary, NC 27512-2170
USA

DATE 03/25/2011

AMOUNT USD********3,617.00*

PAY *** THREE THOUSAND SIX HUNDRED SEVENTEEN USD and ZERO cents***

Security features. Details on back.

Must have second signature over $25,000.

HE
DER
OF

US BANK
GOVERNMENT LOCKBOX 979074
1005 CONVENTION PLAZA
SL-MO-C2-GL
EPA NUMBER 66330
SAINT LOUIS MO 63197

MP

AUTHORIZED SIGNATURE

MP

⑈046248⑈ [redacted]

Arysta LifeScience

VIA FEDEX

Mr. Tony Kish
Product Manager 22
Document Processing Desk 7504P (REGFEE)
U.S. Environmental Protection Agency
Office of Pesticide Programs
2777 South Crystal Drive
Arlington, VA 22202-4501

March 25, 2011

Subject: **CAPTAN TECHNICAL (EPA Reg. No.: 66330-31)**
Amendment to Add New Source of AI
PRIA Action Code R340

Dear Mr. Kish:

By way of this submission, Arysta LifeScience North America, LLC is making application for amendment of the CAPTAN TECHNICAL registration to add an alternate source of Technical Grade Active Ingredient. As this action requires require review within RD, Arysta believes that this action fits PRIA category **R340** and carries a PRIA fee of $ 3,617.

In addition to this cover letter, this submission includes three (3) copies each of two product chemistry data volumes, and an administrative volume. Please see the transmittal document for details concerning the data submitted. The administrative volume comprises the following documents: one (1) Transmittal Document, one (1) EPA Form 8570-1 (Application for Pesticide Registration), (2) copies of EPA Form 8570-4 (Confidential Statement of Formula), one (1) EPA Form 8570-34 (Certification with Respect to Citation of Data), one (1) Public, and one (1) EPA Internal Version of EPA Form 8570-35 (Data Matrix), and documentation of PRIA Fee Prepayment.

Should you require additional information or have questions concerning this submission, please contact me at 919-678-4879.

Sincerely,

Gary R. Orr, PhD
Regulatory Manager, Fungicides

Arysta LifeScience North America, LLC.
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Please read instructions on reverse before complete form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98

EPA

United States
Environmental Protection Agency
Washington, DC 20460

☐ **Registration**
☒ **Amendment**
☐ **Other:**

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 66330-31	2. EPA Product Manager Tony Kish	3. Proposed Classification ☐ None ☐ Restricted
4. Company/Product (Name) Captan Technical	PM# 22	
5. Name and Address of Applicant *(Include ZIP Code)* Arysta LifeScience North America Corporation 15401 Weston Parkway, Suite 150 Cary, NC 27513 ☐ *Check if this is a new address*	6. **Expedited Review**. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name_____	

Section - II

☒ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated _____
☐ Notification - Explain below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application
☐ Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

EPA Category: R340
Justification: Source change with review of product chemistry data only

Contact: gary.orr@arystalifescience.com

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☒ Metal ☒ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt. / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☒ Label ☐ Container	**1 gal., 2.5 gal., 5 gal., 30 gal., and bulk**	☒ On Label ☐ On labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☒ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application)*

Name	Title	Telephone No. (Include Area Code)
Gary R. Orr, PhD	Regulatory Manager	919-678-4879

Certification

I certify that the statements I have made on this form and all attachments thereto 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.

6. Date Application Received **(Stamped)**

2. Signature	3. Title Regulatory Manager
4. Typed Name Gary R. Orr, PhD	5. Date March 25, 2011

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete

White- EPA File Copy (original) Yellow- Applicant Copy

Transmittal Document

Name and Address of Submitter: Arysta LifeScience North America, LLC
15401 Weston Parkway
Cary, NC 27513

Regulatory Action: Captan Technical: alternate source of active ingredient

EPA Reg. No. /File Symbol: 66330-31

Alternate Test Material Names: Captan

Transmittal Date: March 25, 2011

Volume No.	MRID Number	Form ID	Administrative Materials
1		None	• Transmittal Document
		EPA Form 8570-1	• Application for Registration
		EPA Form 8570-4	• Confidential Statement of Formula (2)
		EPA Form 8570-34	• Certification with Respect to Citation of Data
		EPA Form 8570-35	• Data Matrix – EPA Internal Version
		EPA Form 8570-35	• Data Matrix – Public Version
		None	• Documentation of PRIA Fee Payment
Volume No.	**MRID Number**	**Guideline**	**Citation**
2		830.1550,830.1600, 830.1620, 830.1670, & 830.1750	Orr, G.R., (2011) CAPTAN TECHNICAL PRODUCT CHEMISTRY DATA: Product Identity and Composition, Description of Beginning Materials, Description of Production Process, Discussion of Formation of Impurities, and Certified Limits. Unpublished study prepared by Arysta LifeScience North America. 76 P
3		830.1700	Bacher, R., and Reiner, K. (2009) "Technical Captan: Determination of Purity and Impurity Profiles of Six Technical Batches" Project Number: P/B 1561 G. Unpublished study prepared by PTRL Europe. 117 p

Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

Certification with Respect to Citation of Data

Applicant's/Registrant's Name, Address and Telephone Number **Arysta LifeScience N.A. Corp., 15401 Weston Parkway, Suite 159, Cary, NC 27513**	EPA Registration Number/ File Symbol **66330-31**
Active Ingredient(s) and/or representative test compound(s): **Captan**	Date **03/25/2011**
General use pattern(s) (list all those claimed for this product using 40 CFR Part 158) **Terrestrial, Non-Food (Turf)**	Product Name **CAPTAN TECHNICAL**

NOTE: If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

SECTION I: METHOD OF DATA SUPPORT (Check one method only)

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

SECTION II: GENERAL OFFER TO PAY

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

SECTION III: CERTIFICATION

I certify that this application for registration, this form for reregistration, or this Data Call-In Notice is supported by all data submitted or cited in the application for registration, the form for reregistration, or this Data Call-In response. In addition, if cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original submitter or that I have obtained the written permission of the original submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the written permission of the original data submitter to use this study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate and complete. I nowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under licable law.

Signature	Date	Typed or Printed Name and Title
	03/25/2011	**Gary R. Orr, PhD, Regulatory Manager**

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DATA MATRIX

Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 1 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	
Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT CHEMISTRY					
OCSPP 830.1550	Product Identity and Composition	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 830.1600	Description of Materials Used to Produce the Product	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 830.1620	Description of Production Process	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 8/30.1670	Discussion of Formation of Impurities	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 830.1700	Preliminary Analysis	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 830.1750	Certified Limits	This submission	Arysta LifeScience North America LLC	OWN	
OCSPP 830.1800	Analytical Method	45216201	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6302	Color	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6303	Physical State	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6304	Odor	40021202	Arysta LifeScience (Chevron / Stauffer)	OWN	
OCSPP 830.7000	pH	40231801	Arysta LifeScience (Chevron)	OWN	
OCSPP 830.7300	Bulk Density	40231801	Arysta LifeScience (Chevron)	OWN	
OCSPP 830.7200	Melting Point/Melting Range	40231801	Arysta LifeScience (Chevron)	OWN	
OCSPP 830.6314	Oxidizing/Reducing Properties	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6316	Explodability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6315	Flammability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.7840	Water Solubility	40231801	Arysta LifeScience (Chevron)	OWN	
OCSPP 830.8550	Octanol/Water Partition Coefficient	40021201	Arysta LifeScience (Chevron / Stauffer)	OWN	
OCSPP 830.6313	Stability	40231801	Arysta LifeScience (Chevron)	OWN	
OCSPP 830.7220	Boiling Point	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.7370	Dissociation Constant	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.6317	Storage Stability	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP830.6320	Corrosion Characteristics	45192312	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 830.7950	Vapor Pressure	45285812	Arysta LifeScience (Tomen Agro)	OWN	
TOXICOLOGY					
OCSPP 870.1100	Oral Acute Toxicity	45288201	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 870.1200	Acute Dermal Toxicity	45288202	Arysta LifeScience (Tomen Agro)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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DATA MATRIX

Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 2 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	
Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 870.2400	Primary Eye Irritation	45288103	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 870.2500	Primary Dermal Irritation	40021401	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.2600	Dermal Sensitization	45288105	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 870.1300	Acute Inhalation	45288203	Arysta LifeScience (Tomen Agro)	OWN	
OCSPP 870.4100	Chronic Toxicity - Dog	41472501	Arysta LifeScience (ICI)	OWN	
OCSPP 870.4100	Chronic Toxicity - Mice	00151472	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.4100	Chronic Toxicity - Mice	43875602	Arysta LifeScience (Zeneca)	OWN	
OCSPP 870.4200	Carcinogenicity - Mice	43393502	Arysta LifeScience (Chevron)	OWN	
OCSPP 870.4200	Carcinogenicity - Rat	00153284	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.3800	Reproduction and Fertility Effects (1 generation - rat)	00120315	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.3800	Reproduction and Fertility Effects (3-generation - rat)	00153306	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.3700	Prenatal Developmental Toxicity (hamster)	00130848	Arysta LifeScience (Chevron)	OWN	
OCSPP 870.3700	Prenatal Developmental Toxicity (rabbit)	41826901	Arysta LifeScience (ICI)	OWN	
OCSPP 870.5460	Rodent Heritable Translocation Assay	00131710	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.5200	Mouse Visible Specific Locus Test	43405102	Arysta LifeScience (ICI)	OWN	
OCSPP 870.5900	In *Vitro* Sister Chromatid Exchange Assay	00131703	Arysta LifeScience (Chevron)	OWN	
OCSPP 870.5550	Unscheduled DNA Synthesis in Mammalian Cells in Culture	43393501	Arysta LifeScience (ICI)	OWN	
OCSPP 870.3465	Subchronic Inhalation Toxicity - Rat	41234402	Arysta LifeScience (ICI)	OWN	
OCSPP 870.3465	Subchronic Inhalation Toxicity - Rat (preliminary)	41234401	Arysta LifeScience (ICI)	OWN	
OCSPP 870.3150	Subchronic Non-rodent Oral Toxicity - 90 days	40893605	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 870.3200	Repeated Dose dermal Toxicity - 21-day - Rabbit	40273201	Arysta LifeScience (Chevron / Stauffer)	OWN	
N/A	Investigation of Duodenal Hyperplasia in Mice	43393503	Arysta LifeScience (Zeneca)	OWN	
N/A	Second Investigation of Duodenal Hyperplasia in Mice	43393504	Arysta LifeScience (Zeneca)	OWN	
OCSPP 870.7600	Dermal Absorption - rat	43074701	Arysta LifeScience (ICI)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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DATA MATRIX

Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 3 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	
Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 870.7485	Metabolism and Pharmacokinetics	43012902	Arysta LifeScience (ICI)	OWN	
OCSPP 870.7485	Metabolism and Pharmacokinetics	41505403	Captan Task Force	OWN	
OCSPP 870.7485	Metabolism and Pharmacokinetics	41505401	Captan Task Force	OWN	
OCSPP 870.7485	Metabolism and Pharmacokinetics	41505402	Captan Task Force	OWN	
OCSPP 870.7485	Metabolism and Pharmacokinetics	41505404	Captan Task Force	OWN	
OCSPP 870.7485	Metabolism and Pharmacokinetics	40658001	Captan Task Force	OWN	
N/A	Stability of Captan in Whole Blood	44990101	Captan Task Force	OWN	
ENVIRONMENTAL FATE					
161-1	Hydrolysis	40208101	Captan Task Force	OWN	
161-2	Photodegradation in water	40208102	Captan Task Force	OWN	
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	
161-3	Photodegradation ion soil	40658009	Captan Task Force	OWN	
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	
161-3	Photodegradation on soil	40658101	Captan Task Force	OWN	
161-3	Photodegradation on soil	40658009	Captan Task Force	OWN	
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	
164-1	Field dissipation study	40932201	Captan Task Force	OWN	
164-1	Field dissipation study	40828901	Captan Task Force	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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DATA MATRIX

Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 4 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	

Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
164-1	Field dissipation study	40893602	Captan Task Force	OWN	
164-1	Field dissipation study	40893601	Captan Task Force	OWN	
164-1	Field dissipation study	40932202	Captan Task Force	OWN	
ECOLOGICAL EFFECTS					
OCSPP 850.2100	Avian acute oral toxicity test	00020560	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 850.2200	Avian dietary toxicity test	43869802	Arysta LifeScience (ICI)	OWN	
OCSPP 850.2200	Avian dietary toxicity test	43869803	Arysta LifeScience (ICI)	OWN	
OCSPP 850.2300	Avian reproduction	00098295	Arysta LifeScience (Chevron)	OWN	
OCSPP 850.2300	Avian reproduction	00098296	Arysta LifeScience (Chevron)	OWN	
OCSPP 850.1075	Fish acute toxicity test, freshwater and marine	44806504	Captan Task Force	OWN	
OCSPP 850.1075	Fish acute toxicity test, freshwater and marine	44909004	Captan Task Force	OWN	
OCSPP 850.1075	Fish acute toxicity test, freshwater and marine	43869806	Arysta LifeScience (Zeneca)	OWN	
OCSPP 850.1010	Aquatic invertebrate acute toxicity fershwater, daphnids	43869807	Arysta LifeScience (Zeneca)	OWN	
OCSPP 850.1025	Oister acute toxicity (shell deposition	46061701	Captan Task Force	OWN	
OCSPP 850.1035	Mysid acute toxicity test	44806505	Captan Task Force	OWN	
OCSPP 850.1035	Mysid acute toxicity test	44909005	Captan Task Force	OWN	
OCSPP 850.1300	Daphnid chronic toxicity	44148801	Arysta LifeScience (ICI)	OWN	
OCSPP 850.1400	Fish early-life stage toxicity test	00057846	Arysta LifeScience (Chevron)	OWN	
OCSPP 850.4400	Aquatic plant toxicity	44806503	Captan Task Force	OWN	
OCSPP 850.4400	Aquatic plant toxicity	44909003	Captan Task Force	OWN	
OCSPP 850.5400	Algal toxicity	43869809	Arysta LifeScience (ICI)	OWN	
OCSPP 850.4400	Aquatic plant toxicity	44806501	Captan Task Force	OWN	
OCSPP 850.4400	Aquatic plant toxicity	44909001	Captan Task Force	OWN	
OCSPP 850.4400	Aquatic plant toxicity	44806502	Captan Task Force	OWN	
OCSPP 850.4400	Aquatic plant toxicity	11909002	Captan Task Force	OWN	
RESIDUE DATA					
OCSPP 860.1300	Nature of Residues - Plants	42109601	Captan Task Force	OWN	
OCSPP 860.1300	Nature of residue - livestock	42568801	Arysta LifeScience (ICI)	OWN	

Signature	Name and Title: Gary R. Orr, PhD/Regulatory Manager	Date 3/25/2011

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Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 5 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	
Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 860.1850	Confined rotational crop	42378401	Captan Task Force	OWN	
OCSPP 860.1850	Confined rotational crop	41404001	Captan Task Force	OWN	
OCSPP 860.1340	Residue analytical method	41393001	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1340	Residue analytical method	41386501	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1340	Residue analytical method	41406901	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1340	Residue analytical method	43548601	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1480	Magnitude of residues in meat/milk/poultry and eggs	42296002	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1480	Magnitude of residues in meat/milk/poultry and eggs	40010501	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1380	Storage stability data	43875603	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1340	Residue analytical method	40010501	Arysta LifeScience (Stauffer Chemical)	OWN	
OCSPP 860.1500	Magnitude of residues	40189802	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	407745402	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189803	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	00159597	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	00098825	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189804	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745403	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	42472202	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	42254201	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	42252202	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	40189805	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	45605001	Arysta LifeScience	OWN	
OCSPP 860.1500	Magnitude of residues	41149104	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	40189806	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	41039401	Arysta LifeScience (IR-4)	OWN	
OCSPP 860.1500	Magnitude of residues	40189808	Arysta LifeScience (Chevron)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	

Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 860.1500	Magnitude of residues	41149103	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	40189809	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189810	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189811	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745405	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189812	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	42472201	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	42254202	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	40189807	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745404	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189814	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745406	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745407	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189815	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	45605002	Arysta LifeScience	OWN	
OCSPP 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189818	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189817	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	42712801	Arysta LifeScience	OWN	
OCSPP 860.1500	Magnitude of residues	43086601	Arysta LifeScience	OWN	
OCSPP 860.1500	Magnitude of residues	43600401	Captan Task Force	OWN	
OCSPP 860.1500	Magnitude of residues	44227201	Arysta LifeScience	OWN	
OCSPP 860.1500	Magnitude of residues	40189819	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189820	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	41149101	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	44306102	Arysta LifeScience (ICI)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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WASHINGTON, D.C. 20460

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DATA MATRIX

Date March 25, 2011	EPA Reg. No./File Symbol 66330-31	Page 7 of 7
Applicant's/Registrant's Name & Address: Arysta LifeScience North America, LLC, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product CAPTAN TECHNICAL	
Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OCSPP 860.1500	Magnitude of residues	40189821	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	41149102	Arysta LifeScience (ICI)	OWN	
OCSPP 860.1500	Magnitude of residues	40189822	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	00159607	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	43489701	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189824	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40189823	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	40745409	Arysta LifeScience (Chevron)	OWN	
OCSPP 860.1500	Magnitude of residues	41306101	Arysta LifeScience (ICI)	OWN	
REENTRY PROTECTION DATA					
132-1	Foliar Dissipation	40988603	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40988604	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40988601	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40988602	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation	40823902	Arysta LifeScience (ICI)	OWN	
132-1	Foliar Dissipation		ARTF, ORETF	PAY	1
132-1	Soil Dissipation		ARTF. ORETF	PAY	1
133-3	Dermal Exposure		ARTF, ORETF	PAY	1
133-4	Inhalation Exposure		ARTF, ORETF	PAY	1
SPRAY DRIFT DATA					
201-1	Droplet Size Spectrum		SDTF	PAY	1
202-1	Drift Field Evaluation		SDTF	PAY	1

Note 1 – Arysta LifeScience North America is a member of the Ag Reentry Task Force (ARTF), Outdoor Residential Exposure Task Force (ORETF), and the Spray Drift task Force (SDTF) and has paid for the use of the cited data.

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]					
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience North America LLC	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (Tomen Agro)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Zeneca)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	
			Arysta LifeScience (Zeneca)	OWN	
			Arysta LifeScience (Zeneca)	OWN	
			Arysta LifeScience (ICI)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Ingredient(s): Captan, CAS No.: 133-06-2; PC 81301					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (Zeneca)	OWN	
			Arysta LifeScience (Zeneca)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	
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			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
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			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (IR-4)	OWN	
			Arysta LifeScience (Chevron)	OWN	

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (ICI)	OWN	
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			Arysta LifeScience (Chevron)	OWN	
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			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (Chevron)	OWN	
			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	

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			Arysta LifeScience (ICI)	OWN	
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			Arysta LifeScience (ICI)	OWN	
			Arysta LifeScience (ICI)	OWN	
			ARTF, ORETF	PAY	1
			ARTF. ORETF	PAY	1
			ARTF, ORETF	PAY	1
			ARTF, ORETF	PAY	1
			SDTF	PAY	1
			SDTF	PAY	1

Note 1 – Arysta LifeScience North America is a member of the Ag Reentry Task Force (ARTF), Outdoor Residential Exposure Task Force (ORETF), and the Spray Drift task Force (SDTF) and has paid for the use of the cited data.

Signature	**Name and Title:** **Gary R. Orr, PhD/Regulatory Manager**	**Date** 3/25/2011

Administrative Materials Volume
CAPTAN TECHNICAL (66330-31)
Arysta LifeScience North America, LLC

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EPA Form 8570-35 - Data Matrix: EPA Internal Use	Not Paginated
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WASHINGTON, D.C. 20460

AUG 0 5 2009

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Bill Washburn
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 98-10

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 and 98-10 dated May 14, 2009 for:

EPA Registration 66330-31 Captan Technical

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4 and 98-10 and finds that the label change(s) requested falls within the scope of PRN-2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

Rachel C. Hallman for

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

Mach 7/15

Arysta LifeScie

May 14, 2009

Ms. Cynthia Giles-Parker
Branch Chief
Fungicide-Herbicide Branch (H7505C)
Registration Division
Office of Pesticide Programs
Document Processing Desk (NOTIF)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Subject: ***Captan Technical for Manufacturing Purposes Only***
EPA Reg. No. 66330-31

Notification of Label Change per PR Notice 2007-4
and PR Notice 98-10

Dear Ms. Giles-Parker:

Please find the following enclosed:

- Application for Pesticide Registration (Other) dated 05/14/09.
- One highlighted copy of subject label, showing all changes.
- One clean copy of the subject label.

Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140. 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140. 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Also in this submission, we are using PR Notice 98-10 to update the name of the company, emergency telephone numbers and warranty. Arysta LifeScience North America Corporation was changed to Arysta LifeScience North America, LLC.

Should you have any questions or comments, please do not hesitate to contact me at 901-432-5118 or by e-mail at bill.washburn@arystalifescience.com

Sincerely,

Bill Washburn

Bill Washburn
Regulatory Manager
Arysta LifeScience North America, LLC
15401 Weston Parkway, Suite 150, Cary, NC 27513 Phone 919-678-4900 Fax 919-678-2194
www.arystalifescience.com

Please read instructions on reverse befo. npleting form. Form Ap , OMB No. 2070-0060, Approval expires 05-31-98

EPA United States Environmental Protection Agency Washington, DC 20460	☐ Registration ☐ Amendment ☒ Other:	OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number **66330-31**	2. EPA Product Manager **Cynthia Giles-Parker**	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) **Captan Technical**	PM# 22 **Branch Chielf**	
5. Name and Address of Applicant *(Include ZIP Code)* **Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513** ☐ *Check if this is a new address*	6. **Expedited Review**. In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to: EPA Reg. No. NOTIFICATION Product Name AUG 0 5 2009	

Section - II

☐ Amendment – Explain below.
☐ Resubmission in response to Agency letter dated _____
☒ Notification - Explain below.
☐ Final printed labels in response to Agency letter dated _____
☐ "Me Too" Application
☐ Other - Explain below

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

Notification of label change per PR Notice 2007-4. This notification is consistent with guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140. 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if the amendment is not consistent with the requirements of 40 CFR §§ 156.10, 156.140. 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Notification of label change per PR Notice 98-10. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 USC Sec 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging	Unit Packaging	Water Soluble Packaging	2. Type of Container
☐ Yes* ☒ No	☐ Yes ☒ No	☐ Yes ☒ No	☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☐ Other (Specify)
***Certification must be submitted**	If "Yes" Unit Packaging wgt. / No. per container	If "Yes" Package wgt. / No. per container	

3. Location of Net Contents Information	4. Size(s) Retail Container	5. Location of Label Directions
☒ Label ☐ Container	**55.0 gal. and Bulk**	☒ On Label ☐ On labeling accompanying product

6. Manner in Which Label is Affixed to Product ☐ Lithograph ☒ Paper glued ☐ Stenciled ☐ Other _____

Section - IV

1. Contact Point *(Complete items directly below for identification of individual to be contacted, if necessary, to process this application)*

Name	Title	Telephone No. (Include Area Code)
Bill Washburn	**Regulatory Manager**	**901-432-5118**

Certification

I certify that the statements I have made on this form and all attachments thereto 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.

6. Date Application Received **(Stamped)**

2. Signature	3. Title	
Bill Washburn	**Regulatory Manager**	
4. Typed Name **Bill Washburn**	5. Date **14 May 2009**	

CAPTAN TECHNICAL

FOR MANUFACTURING PURPOSES ONLY

THIS PRODUCT IS A FUNGICIDE FOR USE IN FURTHER MANUFACTURE OF PESTICIDES AND FUNGAL-RESISTANT PAINTS

INGREDIENTS:	By Wt.
ACTIVE INGREDIENTS:	
Captan*	90.85%
Related Derivatives	2.00%
INERT INGREDIENTS:	7.15%
TOTAL	100.00%

*N-Trichloromethylthio-4-cyclohexene-1,2-dicarboximide.

EPA Reg. No.: 66330-31 **Net Contents: ___ lbs (___ kg)**
EPA Est. No.: _____

KEEP OUT OF REACH OF CHILDREN

DANGER

FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN	
Probable mucosal damage may contraindicate the use of gastric lavage.	

NOTIFICATION

AUG 0 5 2009

EMERGENCY TELEPHONE NUMBERS:
Have product container or label with you when calling poison control center or doctor or going for treatment.
FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL:
1-866-303-6952
FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Produced For:
ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 WESTON PARKWAY, SUITE 150
CARY, NC 27513

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER
Corrosive. Causes irreversible eye damage. May be fatal if inhaled. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not breathe dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wear goggles or face shield when handling. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS
This product is toxic to aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems, without previously notifying the local sewage treatment plant authority. Do not contaminate water when disposing of equipment washwaters. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
PESTICIDE STORAGE: Store in a cool, dry place. Protect from excessive heat. Do not store or transport near food or feed.
PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide

or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into manufacturing equipment. Offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product is intended for further manufacturing of pesticides only. All formulators are responsible for obtaining EPA registration for their formulated product. For additional information regarding the directions for use for further manufacturing into end-use pesticide products, contact Arysta LifeScience North America, LLC at 866-761-9397.

Only for formulation into a fungicide for the following use(s):
Wettable powder formulations must prohibit aerial application on their end use product labels unless packaged in water soluble packets.

Seed Treatments:		
Alfalfa		
Beans	Cucumbers	Pumpkins
Beets	Eggplant	Radish
Broccoli	Flax	Rape
Brussels Sprouts	Grasses	Rutabaga
Cabbage	Honeydew	Safflower
Cantaloupe	Kale	Sesame
Carrots	Lentils	Sorghum
Cauliflower	Lespedeza	Soybeans
Cereal Grains	Lettuce	Spinach
--Barley, Rye	Melons	Squash
--Oats	Milo	Sugar Beets
--Wheat	Muskmelons	Sunflowers
Clover	Mustard Greens	Swiss Chard
Collards	Okra	Tomato
Corn (field, pop, sweet)	Onions	Trefoil
Cotton	Peanuts	Turnip
Cowpea	Peas	Watermelon
	Peppers	
	Potato (Seed Piece)	

Foliar Treatment:		
Almonds	Cherries	Plums (Fresh Prunes)
Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
Blueberries	Peaches	

Post-Harvest Dip:		
Apples	Cherries	Pears

Pre-Plant Root Dip:
Peaches

Non-Food/Ornamentals:		
Azaleas	Conifers	Flowering Plants
Begonias	Dichondra	Roses
Camellias	Ginseng	
Carnations	Gladiolus	
Chrysanthemums	Turf (golf courses) and sod farms	

Soil:
Seed beds and greenhouse bench treatment

Indoor/Industrial:		
Paints	Plastics	Adhesives

This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding the support of such use(s).

Warranty and Disclaimer Statement

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Arysta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to Arysta, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ARYSTA, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF ARYSTA IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF ARYSTA, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT ARYSTA'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

MATERIAL TO BE ADDED TO JACKET

REG # 66330-31

Description: PR Notice 2007-4

Changes

check all that apply		
☐	new stamped accepted label	Send to CSC
☐	new CSF	
☒	notification	

Instructions:

Attach this sheet to the top of **ALL** material sent to the file room (both loose paper and new material in jackets). This sheet will be imaged; a clear description will aid in finding material in the e-jacket. Remove staples from all material. If returning loose paper then hold together with a binder or paper clip. CSFs should be placed in the CSF folder (if returning jacket) or covered with a red CBI sheet (if returning loose paper). Material to be returned to file room should be place in the appropriate bin.

Reviewer's Name: Banza Djapao Date:

Phone: 703-305-7269 Division: RD

Field Code Changed

CAPTAN TECHNICAL

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EPA Reg. No.: 66330-31 **Net Contents: ___ lbs (___ kg)**
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If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
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Deleted: CORPORATION

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Cabbage	Honeydew	Safflower
Cantaloupe	Kale	Sesame
Carrots	Lentils	Sorghum
Cauliflower	Lespedeza	Soybeans
Cereal Grains	Lettuce	Spinach
--Barley, Rye	Melons	Squash
--Oats	Milo	Sugar Beets
--Wheat	Muskmelons	Sunflowers
Clover	Mustard Greens	Swiss Chard
Collards	Okra	Tomato
Corn (field, pop, sweet)	Onions	Trefoil
Cotton	Peanuts	Turnip
Cowpea	Peas	Watermelon
	Peppers	
	Potato (Seed Piece)	

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Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
Blueberries	Peaches	

Post-Harvest Dip:		
Apples	Cherries	Pears

Pre-Plant Root Dip:
Peaches

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Begonias	Dichondra	Roses
Camellias	Ginseng	
Carnations	Gladiolus	
Chrysanthemums	Turf (golf courses) and sod farms	

Soil:
Seed beds and greenhouse bench treatment

Indoor/Industrial:		
Paints	Plastics	Adhesives

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Deleted: CONDITIONS OF SALE¶
Arysta LifeScience North America Corporation ("Arysta") warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use.¶
This warranty does not extend to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to Arysta. ARYSTA DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM OR IN CONNECTION WITH THE MANUFACTURE, SALE, DELIVERY, USE, HANDLING OR STORAGE OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SELLER'S LIABILITY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. ARYSTA DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.¶
Critical and unforeseeable factors beyond the control of Arysta prevent Arysta from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which the product is applied, lack of complete control, and damage caused by drift to other plants and crops. Such risks occur even though the product is reasonable fit for the use stated on the label even though label directions are followed. Except as stated in 1 above, the Buyer and User acknowledge and to the extent consistent with applicable law, assume all risks and liability resulting from handling, storage, and use of this product.

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Foliar Treatment:		
Almonds	Cherries	Plums (Fresh Prunes)
Apples	Dewberries	Raspberries
Apricots	Grapes	Strawberries
Blackberries	Nectarines	
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NOTIFICATION

AUG 05 2009

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Material to be added to a Mini-Jacket
(in the case where an e-Jacket exists)

Reg. No. 66330 -31

Send to SIG: check box ☒

This material is:

- ☐ New stamped-accepted label
- ☐ New CSF
- ☐ Notification
- ☐ Final Printed Label
- x Other: Revised data matrix

Instructions: Attach this notice on top of the material. It must be clipped all together and there should be NO STAPLES in the material. Then give the material with this coversheet to staff in the Information Services Center (Room 230).

Reviewer's Name: Robert Westin

Phone: 305-5721 Division: RD/FB

Date: 2/5/07

10374408
5804925

Arysta LifeScience

January 22, 2007

Mr. Robert Westin
Fungicide Branch
Office of Pesticide Programs (7504P)
Document Processing Desk (AMEND)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
Phone: 703-305-5721

Re: Data Matrix for 66330-31, 66330-24, 66330-26, 66330-27, 66330-28, and 66330-29

Dear Mr. Westin:

Enclosed are the revised Data Matrix (EPA Form 8570-35) and for Captan Technical (EPA Reg. No. 66330-31), Captan 4 Flowable (EPA Reg. No. 66330-24), Captan 50 WP (EPA Reg. No. 66330-26), Captan Garden Spray (EPA Reg. No. 66330-27), Captan 80 WP (EPA Reg. No. 66330-28) and Captan 80 WP in Water Soluble Packs/ Captan 80 WDG (EPA Reg. No. 66330-29)

If you have any questions regarding this submission please contact me at (919) 678-4879 or by email at doina.bujor@arystalifescience.com.

Sincerely,

Doina Bujor
Regulatory Manager
Regulatory Affairs
Arysta LifeScience North America
15401 Weston Parkway, Suite 150
Cary, NC 27513

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date January 22, 2007	EPA Reg. No./File Symbol 66330-31	Page 1 of 9
Applicant's/Registrant's Name & Address: Arysta LifeScience North America Corporation, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product Captan Technical	
Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
PRODUCT CHEMISTRY DATA					
OPPTS 830.1550	Product Identity and Composition	45192312	Arysta LifeScience	OWN	
OPPTS 830.1600	Description of Materials Used to Produce the Product	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	1
OPPTS 830.1620	Description of Production Process	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	1
OPPTS 8/30.1670	Discussion of Formation of Impurities	40021301	Arysta LifeScience (Chevron / Stauffer)	OWN	1
OPPTS 830.1700	Preliminary Analysis	45216201	Arysta LifeScience	OWN	
OPPTS 830.1750	Certified Limits	45192312	Arysta LifeScience	OWN	
OPPTS 830.1800	Analytical Method	45216201	Arysta LifeScience	OWN	
OPPTS 830.6302	Color	45192312	Arysta LifeScience	OWN	
OPPTS 830.6303	Physical State	45192312	Arysta LifeScience	OWN	
OPPTS 830.6304	Odor	40021202	Arysta LifeScience (Chevron / Stauffer)	OWN	1
OPPTS 830.7000	pH	40231801	Arysta LifeScience (Chevron)	OLD	1
OPPTS 830.7300	Bulk Density	40231801	Arysta LifeScience (Chevron)	OLD	1
OPPTS 830.7200	Melting Point/Melting Range	40231801	Arysta LifeScience (Chevron)	OLD	1
OPPTS 830.6314	Oxidizing/Reducing Properties	45192312	Arysta LifeScience	OWN	
OPPTS 830.6316	Explodability	45192312	Arysta LifeScience	OWN	
OPPTS 830.6315	Flammability	45192312	Arysta LifeScience	OWN	
OPPTS 830.7840	Water Solubility	40231801	Arysta LifeScience (Chevron)	OLD	1
OPPTS 830.7860	Solubility	40231201	Arysta LifeScience	OWN	
OPPTS 830.8550	Octanol/Water Partition Coefficient	40021202	Arysta LifeScience (Chevron / Stauffer)	OWN	1
OPPTS 830.6313	Stability	40231801	Arysta LifeScience (Chevron)	OLD	1
OPPTS 830.7220	Boiling Point	45192312	Arysta LifeScience	OWN	

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Applicant's/Registrant's Name & Address: Arysta LifeScience North America Corporation, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product Captan Technical	

Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 830.7370	Dissociation Constant	45192312	Arysta LifeScience	OWN	
OPPTS 830.6317	Storage Stability	45192312	Arysta LifeScience	OWN	
OPPTS 830.6320	Corrosion Characteristics	45192312	Arysta LifeScience	OWN	
OPPTS 830.7950	Vapor Pressure	45285812	Arysta LifeScience	OWN	
TOXICITY DATA					
OPPTS 870.1100	Oral Acute Toxicity	45288201	Arysta LifeScience	OWN	
OPPTS 870.1200	Acute Dermal Toxicity	45288202	Arysta LifeScience	OWN	
OPPTS 870.2500	Primary Dermal Irritation	40021401	Arysta LifeScience	OWN	
OPPTS 870.1300	Acute Inhalation	45288203	Arysta LifeScience	OWN	
OPPTS 870.4100	Chronic Toxicity - Dog	41472501	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.4100	Chronic Toxicity - Mice	00151472	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.4100	Chronic Toxicity - Mice	43875602	Arysta LifeScience (Zeneca)	OWN	1
OPPTS 870.4200	Carcinogenicity - Mice	43393502	Arysta LifeScience (Chevron)	OLD	1
OPPTS 870.4200	Carcinogenicity - Rat	00153284	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.3800	Reproduction and Fertility Effects (1 generation - rat)	00120315	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.3800	Reproduction and Fertility Effects (3-generation - rat)	00153306	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.3700	Prenatal Developmental Toxicity (hamster)	00130848	Arysta LifeScience (Chevron)	OLD	1
OPPTS 870.3700	Prenatal Developmental Toxicity (rabbit)	41826901	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.5460	Rodent Heritable Translocation Assay	00131710	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.5200	Mouse Visible Specific Locus Test	43405102	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.5900	In *Vitro* Sister Chromatid Exchange Assay	00131703	Arysta LifeScience (Chevron)	OLD	1
OPPTS 870.5550	Unscheduled DNA Synthesis in Mammalian Cells in Culture	43393501	Arysta LifeScience (ICI)	OWN	1

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 870.3465	Subchronic Inhalation Toxicity - Rat	41234402	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.3465	Subchronic Inhalation Toxicity - Rat (preliminary)	41234401	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.3150	Subchronic Non-rodent Oral Toxicity - 90 days	40893605	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 870.3200	Repeated Dose dermal Toxicity - 21-day - Rabbit	40273201	Arysta LifeScience (Chevron / Stauffer)	OWN	1
N/A	Investigation of Duodenal Hyperplasia in Mice	43393503	Arysta LifeScience (Zeneca)	OWN	1
N/A	Second Investigation of Duodenal Hyperplasia in Mice	43393504	Arysta LifeScience (Zeneca)	OWN	1
OPPTS 870.7600	Dermal Absorption - rat	43074701	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.7485	Metabolism and Pharmacokinetics	43012902	Arysta LifeScience (ICI)	OWN	1
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505403	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505401	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505402	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	41505404	Captan Task Force	OWN	
OPPTS 870.7485	Metabolism and Pharmacokinetics	40658001	Captan Task Force	OWN	
N/A	Stability of Captan in Whole Blood	44990101	Captan Task Force	OWN	
REENTRY PROTECTION DATA					
132-1	Foliar Dissipation	40988603	Arysta LifeScience (ICI)	OWN	1
132-1	Foliar Dissipation	40988604	Arysta LifeScience (ICI)	OWN	1
132-1	Foliar Dissipation	40988601	Arysta LifeScience (ICI)	OWN	1
132-1	Foliar Dissipation	40988602	Arysta LifeScience (ICI)	OWN	1
132-1	Foliar Dissipation	40823902	Arysta LifeScience (ICI)	OWN	1
132-1	Foliar Dissipation		ARTF, ORETF	PAY	2

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
132-1	Soil Dissipation		ARTF. ORETF	PAY	2
133-3	Dermal Exposure		ARTF, ORETF	PAY	2
133-4	Inhalation Exposure		ARTF, ORETF	PAY	2
SPRAY DRIFT DATA					
201-1	Droplet Size Spectrum		SDTF	PAY	2
202-1	Drift Field Evaluation		SDTF	PAY	2
ENVIRONMENTAL FATE DATA					
161-1	Hydrolysis	40208101	Captan Task Force	OWN	
161-2	Photodegradation in water	40208102	Captan Task Force	OWN	
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	1
161-3	Photodegradation ion soil	40658009	Captan Task Force	OWN	
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	1
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	1
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	1
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	1
161-2	Degradation in sediment-water system - Lab.	43869805	Arysta LifeScience (ICI)	OWN	1
161-3	Photodegradation ion soil	40658011	Captan Task Force	OWN	
161-3	Photodegradation ion soil	40658009	Captan Task Force	OWN	
161-4	Photodegradation in air	40182301	Captan Task Force	OWN	
162-1	Aerobic soil metabolism	44044601	Arysta LifeScience (ICI)	OWN	1
163-1	Leaching and adsorption/desorption	43869811	Arysta LifeScience (ICI)	OWN	1

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
163-1	Leaching and adsorption/desorption	43869804	Arysta LifeScience (ICI)	OWN	1
163-2	Volatility - Laboratory	40231901	Captan Task Force	OWN	
163-2	Volatility - Lab. (*cis*tetrahydrophthalmic acid)	43886901	Arysta LifeScience (ICI)	OWN	1
164-1	Field dissipation study	40932201	Captan Task Force	OWN	
164-1	Field dissipation study	40893602	Captan Task Force	OWN	
164-1	Field dissipation study	40893601	Captan Task Force	OWN	
164-1	Field dissipation study	40932202	Captan Task Force	OWN	
WILDLIFE AND AQUATIC ORGANISMS DATA					
OPPTS 850.2100	Avian acute oral toxicity test	00020560	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 850.2200	Avian dietary toxicity test	43869802	Arysta LifeScience (ICI)	OWN	1
OPPTS 850.2200	Avian dietary toxicity test	43869803	Arysta LifeScience (ICI)	OWN	1
OPPTS 850.2300	Avian reproduction	00098295	Arysta LifeScience (Chevron)	OLD	1
OPPTS 850.2300	Avian reproduction	00098296	Arysta LifeScience (Chevron)	OLD	1
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	44806504	Captan Task Force	OWN	
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	44909004	Captan Task Force	OWN	
OPPTS 850.1075	Fish acute toxicity test, freshwater and marine	43869806	Arysta LifeScience (Zeneca)	OWN	1
OPPTS 850.1010	Aquatic invertebrate acute toxicity freshwater, daphnids	43869807	Arysta LifeScience (Zeneca)	OWN	1
OPPTS 850.1025	Oyster acute toxicity (shell deposition	46061701	Captan Task Force	OWN	
OPPTS 850.1035	Mysid acute toxicity test	44806505	Captan Task Force	OWN	
OPPTS 850.1035	Mysid acute toxicity test	44909005	Captan Task Force	OWN	

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 850.1300	Daphnid chronic toxicity	44148801	Arysta LifeScience (ICI)	OWN	1
OPPTS 850.1400	Fish early-life stage toxicity test	00057846	Arysta LifeScience (Chevron)	OLD	1
OPPTS 850.4400	Aquatic plant toxicity	44806503	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44909003	Captan Task Force	OWN	
OPPTS 850.5400	Algal toxicity	43869809	Arysta LifeScience (ICI)	OWN	1
OPPTS 850.4400	Aquatic plant toxicity	44806501	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44909001	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	44806502	Captan Task Force	OWN	
OPPTS 850.4400	Aquatic plant toxicity	11909002	Captan Task Force	OWN	
RESIDUE CHEMISTRY DATA					
OPPTS 860.1300	Nature of Residues - Plants	42109601	Captan Task Force	OWN	
OPPTS 860.1300	Nature of residue - livestock	42568801	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1850	Confined rotational crop	42378401	Captan Task Force	OWN	
OPPTS 860.1850	Confined rotational crop	41404001	Captan Task Force	OWN	
OPPTS 860.1340	Residue analytical method	41393001	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1340	Residue analytical method	41386501	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1340	Residue analytical method	41406901	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1340	Residue analytical method	43548601	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1480	Magnitude of residues in meat/milk/poultry and eggs	42296002	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1480	Magnitude of residues in meat/milk/poultry and eggs	40010501	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1380	Storage stability data	43875603	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1340	Residue analytical method	40010501	Arysta LifeScience (Stauffer Chemical)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189802	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745402	Arysta LifeScience (Chevron)	OLD	1

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40189803	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	00159597	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	00098825	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189804	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745403	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	42472202	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	42254201	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	42252202	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189805	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	45605001	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	41149104	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189806	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	41039101	IR-4	PER	
OPPTS 860.1500	Magnitude of residues	40189808	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	41149103	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189809	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189810	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189811	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745405	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189812	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	42305401	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	42472201	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	42254202	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189807	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745404	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189814	Arysta LifeScience (Chevron)	OLD	1

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Arysta LifeScience North America Corporation, 15401 Weston Pkwy., Suite 150, Cary, NC 27513

Product
Captan Technical

Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
OPPTS 860.1500	Magnitude of residues	40745406	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745407	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189815	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	45605002	Arysta LifeScience	OWN	
OPPTS 860.1500	Magnitude of residues	40189813	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189818	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189817	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	42712801	IR-4	PER	
OPPTS 860.1500	Magnitude of residues	43086601	IR-4	PER	
OPPTS 860.1500	Magnitude of residues	43600401	Captan Task Force	OWN	
OPPTS 860.1500	Magnitude of residues	44227201	IR-4	PER	
OPPTS 860.1500	Magnitude of residues	40189819	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189820	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	41149101	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	41306102	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189821	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	41149102	Arysta LifeScience (ICI)	OWN	1
OPPTS 860.1500	Magnitude of residues	40189822	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	00159607	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745408	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	43489701	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189824	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40189823	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	40745409	Arysta LifeScience (Chevron)	OLD	1
OPPTS 860.1500	Magnitude of residues	41306101	Arysta LifeScience (ICI)	OWN	1

Signature Doina Bujor

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DATA MATRIX

Date January 22, 2007	EPA Reg. No./File Symbol 66330-31	Page 9 of 9
Applicant's/Registrant's Name & Address: Arysta LifeScience North America Corporation, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product Captan Technical	
Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Note 1 – Arysta LifeScience North America, formerly Arvesta Corporation, formerly Tomen Agro acquired Captan and the rights to all the studies from Zeneca formerly ICI Americas formerly Stauffer Chemicals.

Note 2 – Arysta LifeScience North America is a member of the Ag Reentry Task Force (ARTF), Outdoor Residential Exposure Task Force (ORETF), and the Spray Drift task Force (SDTF) and has paid for the use of the cited data.

Signature	Name and Title:	Date
Doina Bujor	Doina Bujor / Regulatory Manager	01/22/07

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Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]					
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1

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Doina Bujor	**Doina Bujor / Regulatory Manager**	01/22/2007

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Applicant's/Registrant's Name & Address: Arysta LifeScience North America Corporation, 15401 Weston Pkwy., Suite 150, Cary, NC 27513	Product Captan Technical	

Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (Zeneca)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1

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Doina Bujor	Doina Bujor / Regulatory Manager	01/22/2007

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Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (Chevron / Stauffer)	OWN	1
			Arysta LifeScience (Zeneca)	OWN	1
			Arysta LifeScience (Zeneca)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	

Signature Doina Bujor	**Name and Title:** **Doina Bujor / Regulatory Manager**	**Date** 01/22/2007

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]					
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			ARTF, ORETF	PAY	2
			ARTF. ORETF	PAY	2
			ARTF, ORETF	PAY	2
			ARTF, ORETF	PAY	2
			SDTF	PAY	2
			SDTF	PAY	2
			Captan Task Force	OWN	2
			Captan Task Force	OWN	2
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1

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Doina Bujor	**Doina Bujor / Regulatory Manager**	01/22/2007

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Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	

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Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (Zeneca)	OWN	1
			Arysta LifeScience (Zeneca)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Captan Task Force	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1

Signature Doina Bujor	**Name and Title:** **Doina Bujor / Regulatory Manager**	**Date** 01/22/2007

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Ingredient(s): Captan, CAS # 133-06-2

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Stauffer Chemical)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience	OWN	
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (IR-4)	OWN	
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1

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Ingredient(s): Captan, CAS # 133-06-2		

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[redacted]			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience	OWN	
			Arysta LifeScience	OWN	
			Captan Task Force	OWN	
			Arysta LifeScience	OWN	
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1

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Ingredient(s): Captan, CAS # 133-06-2		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
[redacted]			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (Chevron)	OLD	1
			Arysta LifeScience (ICI)	OWN	1

Note 1 – Arysta LifeScience North America, formerly Arvesta Corporation, formerly Tomen Agro acquired Captan and the rights to all the studies from Zeneca formerly ICI Americas formerly Stauffer Chemicals.

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