North America's Leader in Hazardous Material Information Management

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MSDS PRODUCT INFORMATION

Date: 10/07/2005

To: MSDS Requester

From: 3E Company

Subject: The MSDS you have requested

[ ] MSDS NOT REQUIRED
In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communicatin Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

[X] MSDS DISCONTINUED PRODUCT
In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

[ ] MSDS BEST COPY AVAILABLE
The MSDS attached is the best copy available from the manufacturer.

[ ] MANUFACTURER NO LONGER IN BUSINESS
In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: Conros Corporation

Product Name: Citronella Out Door Lamp Oil (DISCONTINUED)

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION

TRADE NAME: CITRONELLA OUT DOOR LAMP OIL

MANUFACTURER/SUPPLIER'S NAME: CONROS CORPORATION
ADDRESS: 1190 BIRCHMOUNT ROAD
SCARBOROUGH
ONT. M1P 2B8

EMERGENCY TELEPHONE NUMBER CANUTEC 613-996-6666
BUSINESS HOURS : (416) 751-4343 24 HOUR EMERGENCY TELEPHONE
AT ALL OTHER TIMES : (416) 751-4343

CHEMICAL SYNONYMS
Petroleum Solvent

PRODUCT USE
Diluent Organic Solvent

WHMIS CLASS AND DESCRIPTION
Class B3 Combustible Liquid

CANADIAN TDG DESCRIPTION (ROAD & RAIL)
SHIPPING NAME: PETROLEUM DISTILLATES, N.O.S. (ALKYLATE)
CLASS DESCRIPTION: PACKING GROUP:
Class 3 Flammable Liquid III

UN NUMBER: 1268

SECTION 2 INGREDIENTS & TOXICOLOGICAL PROPERTIES

LEGEND: CBI - CONFIDENTIAL BUSINESS INFORMATION

2A - PRODUCT & CONTROLLED INGREDIENTS

PRODUCT: CITRONELLA OUTDOOR LAMP OIL 10-% VOL
CAS# : 64741-65-7 WHMIS CONTROLLED: YES

Rat	Oral	LD50	>	8000.0 mg/kg	
	Dermal	LD50	>	8000.0 mg/kg	
	Inhal.	LC50	>	5900.0 mg/m3	4.00 hrs

CITRONELLA OUTDOOR LAMP OIL

2B - TOXICOLOGICAL INFORMATION

RATIONALE FOR WHMIS TOXICITY CLASSIFICATION

Exposure may occur via inhalation, ingestion, skin absorption and skin or eye contact.

This product is not a primary skin irritant after exposure of short duration is not a skin sensitizer and is not irritating to the eye.

Toxicity tests carried out for carcinogenicity, teratogenicity and mutagenicity have been negative.

Data is insufficient to further classify according to WHMIS criteria.

SUPPLEMENTAL HEALTH INFORMATION

Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Vapours are moderately irritating to the eyes and respiratory passages. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea, and central nervous system depression. Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. The liquid when accidently aspirated into the lungs can cause a severe inflamation of the lung.

SECTION 3 EMERGENCY AND FIRST AID PROCEDURES

EYES

Flush eyes with water for at least 15 minutes while holding eyelids open. Obtain medical attention as soon as possible after first aid has been initiated and completed.

INHALATION

Remove victim from further exposure and restore breathing, if required. Obtain medical attention.

INGESTION

Do not induce vomiting. Guard against aspiration into lungs by having the individual turn on to their left side. If vomiting occurs spontaneously keep head below hips to prevent aspiration of liquid into the lungs. Do not give anything by mouth to an unconscious person. Obtain medical attention immediately.

SKIN

Start rinsing and remove contaminated clothing while rinsing. Wash contaminated skin with mild soap and water. If irritation occurs and persists, obtain medical attention.

NOTES TO PHYSICIAN

The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If more than 2.0 mL/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

SECTION 4 EMPLOYEE PROTECTION

THE FOLLOWING INFORMATION, WHILE APPROPRIATE FOR THIS PRODUCT, IS GENERAL IN NATURE. THE SELECTION OF PERSONAL PROTECTIVE EQUIPMENT WILL VARY DEPENDING ON THE CONDITIONS OF USE.

OCCUPATIONAL EXPOSURE LIMITS - VALID 1995/1996
Not available for product.
Stoddard solvent: 100 ppm, 525 mg/m3 (TLV/TWA) ACGIH

EYES AND FACE
Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes. Provide an eyewash station in the area.

SKIN (HANDS, ARMS AND BODY)
Impervious gloves (viton, nitrile) should be worn at all times when handling this material. In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn. Safety showers should be available for emergency use.

RESPIRATORY
If exposure exceeds occupational exposure limits, wear a NIOSH- approved respirator. Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapours. Proper equipment for high concentrations includes an atmosphere supplied, positive pressure demand, self-contained or airline breathing apparatus.

MECHANICAL VENTILATION
Mechanical ventilation is recommended for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion-proof. Concentrations in air should be maintained below the recommended threshold limit value if unprotected personnel are involved.
For personnel entry into confined spaces (i.e. bulk storage tanks) a proper confined space entry procedure must be followed including ventilation and testing of tank atmosphere. Local ventilation recommended where mechanical ventilation is ineffective in controlling airborne concentrations below the recommended occupational exposure limit.
Make up air should always be supplied to balance air exhausted (either generally or locally).

SECTION 5 PREVENTATIVE MEASURES

STORAGE AND HANDLING
Combustible. Store in a cool, dry, well ventilated area, away from heat and ignition sources. Hot surfaces may be sufficient to ignite liquid even in the absence of sparks or flames. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Vapours may accumulate and travel to distant ignition sources and flashback. Use explosion-proof ventilation to prevent vapour accumulation. Empty containers may contain hazardous product residues. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. Do not cut, drill, grind, weld or perform similar operations on or near containers. Keep container tightly closed. Avoid breathing vapours and prolonged or repeated contact with skin. Air-dry contaminated clothing in a well ventilated area before laundering. Launder contaminated clothing prior to reuse. Use good personal hygiene.

SPILL AND LEAK HANDLING PROCEDURES

Issue warning "Combustible". Eliminate all ignition sources. Handling equip ent must be grounded. Isolate hazard area and restrict access. Try to work upwin of spill. Avoid direct contact with material. Wear appropriate breathing appar tus (if applicable) and protective clothing. Stop leak only if safe to do so. lke and contain land spills; contain water spills by booming. Use water fog to k ock down vapours; contain runoff. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal. Recommended materials: Clay or Sand Flush area with water to remove trace residue. Dispose of recov red material as noted below. Notify appropriate environmental agency(ies).

WASTE DISPOSAL METHODS

Waste management priorities(depending on volumes and concentration of wa te) are: 1. recycle(reprocess), 2. energy recovery(cement kilns, thermal p wer generation), 3. incineration, 4. disposal at a licenced waste disposal facil ty. Do not attempt to combust waste on-site. Incinerate at a licenced waste disp sal site with approval of environmental authority.

SECTION 6 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE
Liquid
ODOUR AND APPEARANCE
Colourless Light

AVERAGE ODOUR THRESHOLD	:	NOT AVAILABLE
BOILING POINT (DEG C)	:	171 - 205
FREEZING POINT (DEG C)	:	NOT AVAILABLE
DENSITY (KG/M3 @ DEG C)	:	752.00 - 769.00 @ 15
VAPOUR DENSITY (AIR=1)	:	NOT AVAILABLE
VAPOUR PRESSURE (MMHG @ DEG C)	:	> 7.0 @ 38
SPECIFIC GRAVITY (H2O=1)	:	NOT AVAILABLE
PH LEVEL	:	NOT AVAILABLE
VISCOSITY (CST @ DEG C)	:	NOT AVAILABLE
EVAPORATION RATE (NBUAC=1)	:	> 0.10
PARTITION COEFFICIENT (KOW)	:	NOT AVAILABLE
WATER SOLUBILITY	:	Negligible
OTHER SOLVENT	:	Hydrocarbon Solvent
MOLECULAR WEIGHT (G)	:	NOT AVAILABLE
FORMULA	:	Not Applicable

SECTION 7 REACTIVITY, FIRE AND EXPLOSION HAZARD

7A - FIRE AND EXPLOSION HAZARD

FLASH POINT (DEG C) AND METHOD:

> 48 Tag Closed Cup

FLAMMABLE LIMITS / % VOLUME IN AIR
LFL: 1.0 UFL: 6.0
AUTOIGNITION TEMP. (DEG C):
Not Available

EXTINGUISHING MEDIA
Dry Chemical
Carbon Dioxide
Foam
Water Fog

SPECIAL FIRE-FIGHTING PROCEDURES
Caution - Combustible. Do not enter confined fire space without adequate protective clothing and an approved positive pressure self-contained breathing apparatus. Exclude air. Product will float and can be reignited on surface of water. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

TB - REACTIVITY DATA

HAZARDOUS COMBUSTION / DECOMPOSITION PRODUCTS
Vapour forms a flammable/explosive mixture with air between upper and over flammable limits.
Carbon monoxide and carbon dioxide are produced on combustion.

INCOMPATIBILITY
Strong oxidizing agents.

CONDITIONS OF REACTIVITY/INSTABILITY
Avoid excessive heat, open flames and all ignition sources.

STABLE :	YES	SENSITIVITY TO MECHANICAL IMPACT :	NO
HAZARDOUS POLYMERIZATION:	NO	SENSITIVITY TO STATIC DISCHARGE :	YES

SECTION 8 ENVIRONMENTAL DATA

REGULATIONS AND STANDARDS
No Canadian federal standards. This product, or all components, are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act.

ENVIRONMENTAL EFFECTS AND HAZARDS
Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. Provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities. Aromatic hydrocarbons may be bioaccumulative but they have no food chain concentration potential. May be harmful to aquatic life.

BIODEGRADABILITY
Biodegradable.

SECTION 9 LABEL INFORMATION

TRADE NAME: CITRONELLA OUTDOOR LAMP OIL

WHMIS DESCRIPTION
Class B3 Combustible Liquid

HAZARD STATEMENTS
Combustible Liquid.

SAFE HANDLING
Eliminate all ignition sources. Avoid prolonged exposure to vapours. Wear suitable gloves and eye protection. Empty containers are hazardous, may contain flammable / explosive dusts, liquid residue or vapours. Keep away from sparks and open flames. Bond and ground transfer containers and equipment to avoid static accumulation.

FIRST AID
Wash contaminated skin with soap and water. Flush eyes with water. If overcome by vapours remove to fresh air. Do not induce vomiting. Obtain medical attention.

SECTION 10 PREPARATION AND SUPPLEMENTAL INFORMATION

10A - PREPARATION INFORMATION

PREPARED BY: TOXICOLOGY AND MATERIAL SAFETY SECTION OF CONROS CANADA LIMITED
MSDS EFFECTIVE DATE: NOVEMBER 22, 1996 SUPERCEDES MSDS DATED: 1994/09/22