

MATERIAL SAFETY DATA SHEET

MSDS

Sun Non-Foaming Algaecide 60

Date-Issued: 02/21/2001
MSDS Ref. No: ASUN23060
Date-Revised: 10/26/2005
Revision No: 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sun Non-Foaming Algaecide 60
GENERAL USE: Swimming pool algaecide.
CHEMICAL FAMILY: Polymer

MANUFACTURER

Asepsis, Inc., A Chemtura Company
 Sun
 P.O. Box 1788
 Suwanee, GA 30024-0973
Customer SERVICE: (800)959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800 - 5553
CHEMTREC (US Transportation) : (800) 424 - 9300

COMMENTS: EPA Registration Number: 5185-339-10305

2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS</u> | <u>Wt. %</u> |
|--|------------|--------------|
| Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride] | 31075-24-8 | 60 |

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Clear, pale yellow liquid with a mild odor.

IMMEDIATE CONCERNS: CAUTION: Harmful if swallowed. Avoid contact with skin, eyes, or clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Wash thoroughly with soap and water after handling.

POTENTIAL HEALTH EFFECTS

EYES: Slightly hazardous in case of eye contact (irritant).

SKIN: Slightly hazardous in case of skin contact (irritant).

INGESTION: Harmful if swallowed.

INHALATION: Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.

CHRONIC: There are no known chronic hazards.

ROUTES OF ENTRY: Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: 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.

INGESTION: If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a 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

PHYSICAL STATE: Liquid
ODOR: Mild
APPEARANCE: Clear
COLOR: Pale yellow
pH: 6 to 7
VAPOR PRESSURE: Not Established
VAPOR DENSITY: Not Established
BOILING POINT: > 100°C (212°F)
FREEZING POINT: < 0°C (32°F)
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.15 g/cm³

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination.

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

INCOMPATIBLE MATERIALS: Other swimming pool/spa chemicals in their concentrated forms. Anionic polymers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: > 2000 mg/kg of body weight in rabbits.

ORAL LD₅₀: Male: 1951 mg/kg, Female 2587 mg/kg

INHALATION LC₅₀: 2.9 mg/l

EYE EFFECTS: Slightly hazardous in case of eye contact (irritant).

SKIN EFFECTS: Slightly hazardous in case of skin contact (irritant).

SENSITIZATION: This product is not a skin sensitizer.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

MUTAGENICITY: Mutagenicity studies were negative.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds or 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. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Pesticide wastes are toxic. Improper disposal of excess pesticide or rinsate 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. Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment. Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire.

EMPTY CONTAINER: Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated as a DOT Hazardous Material

OTHER SHIPPING INFORMATION: Bill of Lading Description - Disinfectants or Deodorants, NOI, in bulk, barrels, boxes, kits, pails or package (NMFC 57100, SUB 3).

AIR (ICAO/IATA)

NOTE: Not recommended for transport by air.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

313 REPORTABLE INGREDIENTS: This product or its components are not listed.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

RCRA STATUS: This product, as sold, would not be considered a RCRA Hazardous Waste.

OSHA HAZARD COMM. RULE: Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is a US EPA registered pesticide.

FDA (FOOD AND DRUG ADMINISTRATION): Not listed.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 2 This MSDS replaces the February 22, 2005 MSDS. Any changes in information are as follows: In Section 1 Product Code In Section 1 Product Code

HMIS RATING

| | | |
|-----------------------------|--|---|
| HEALTH: | | 1 |
| FLAMMABILITY: | | 0 |
| PHYSICAL HAZARD: | | 0 |
| PERSONAL PROTECTION: | | B |

NFPA RATING

| | |
|--------------------|---|
| HEALTH: | 1 |
| FIRE: | 0 |
| REACTIVITY: | 0 |

Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

COMMENTS: The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), and Hazardous Materials Identification System (HMIS).

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