

MATERIAL SAFETY DATA SHEET

MSDS

Sun Summer Algae Protector

Date-Issued: 10/26/2001
MSDS Ref. No: ASUN23158
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Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME:** Sun Summer Algae Protector**GENERAL USE:** Swimming pool algaeicide.**MANUFACTURER**

Asepsis, Inc., A Chemtura Company

Sun

P.O. Box 1788

Suwanee, GA 30024-0973

Customer SERVICE: (800)959-7946**COMMENTS:** EPA Registration Number: 45309-36-10305**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS</u>	<u>Wt. %</u>
Copper (metallic)	7440-50-8	0.59

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Clear, light blue to green, odorless liquid.**IMMEDIATE CONCERNS:** CAUTION: May cause eye and skin irritation. Do not get in eyes, on skin or on clothing. Harmful or fatal if swallowed. Avoid contamination of food.**POTENTIAL HEALTH EFFECTS****EYES:** May cause eye irritation. Avoid contact with eyes.**SKIN:** May cause skin irritation. Avoid contact with skin.**INGESTION:** Harmful or fatal if swallowed.**INHALATION:** May be irritating to nose and throat. Avoid breathing vapors.**CHRONIC:** There are no known chronic hazards.**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 advise.**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 person.**INHALATION:** 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 poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Non-Flammable

AUTOIGNITION TEMPERATURE: Not Applicable

GENERAL HAZARD: This product is not flammable or combustible.

EXTINGUISHING MEDIA: This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, and nitrogen oxides may be released on combustion of dried product.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spilled material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, municipal, state, provincial, and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin or clothing.

HANDLING: Do not mix with other chemicals.

STORAGE: Store in original containers and place in locked area. Keep from freezing. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	OSHA PEL	EXPOSURE LIMITS			
		ACGIH TLV		SUPPLIER OEL	
		ppm	mg/m ³	ppm	mg/m ³
Copper (metallic)					
					TWA [1]

OSHA TABLE COMMENTS:

1. N/A = Not Applicable

ENGINEERING CONTROLS: General room ventilation. Not expected to be an inhalation hazard.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Use of safety glasses with side shields is recommended, if conditions warrant.

SKIN: With repeated or prolonged use, wear gloves.

RESPIRATORY: In processes where mists or vapors may be generated, a NIOSH/MSHA approved respirator is advised in the absence of proper environmental controls.

WORK HYGIENIC PRACTICES: In accordance with good industrial hygiene practices, wash hands thoroughly with soap and water after handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Odorless
APPEARANCE: Clear
COLOR: Light blue to green
pH: 7.0
VAPOR PRESSURE: Negligible
VAPOR DENSITY: Not Established
BOILING POINT: 100°C (212°F)
FREEZING POINT: 0°C (32°F)
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.3 g/ml

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid high temperatures.

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and nitrogen oxides

INCOMPATIBLE MATERIALS: Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause eye irritation

SKIN EFFECTS: May cause skin irritation.

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.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This pesticide is toxic to fish. 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

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated as a DOT Hazardous Material

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

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: CERCLA hazardous substance(s) contained in this product are below the de minimus reportable levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

CLEAN WATER ACT: A component of this product is listed as a Clean Water Act Section 311 Hazardous Substance.

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

SDWA (SAFE DRINKING WATER ACT): A component of this product is listed on the Safe Drinking Water Act.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 1 This MSDS replaces the October 26, 2001 MSDS. Any changes in information are as follows: In Section 4 Firstaid - Eyes Firstaid - Skin Firstaid - Ingestion Firstaid - Inhalation

HMIS RATING

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

NFPA RATING

HEALTH:	1
FIRE:	0
REACTIVITY:	0

Key

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

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