

MATERIAL SAFETY DATA SHEET

MSDS

Sun Natural Enzyme Treatment

Date-Issued: 03/12/2002
 MSDS Ref. No: ASUN23810
 Date-Revised: 03/12/2002
 Revision No: New MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Sun Natural Enzyme Treatment
GENERAL USE: Natural Pool Water Clarifier
CHEMICAL FAMILY: Vegetable & cereal enzyme derivative

MANUFACTURER

Asepsis, Inc.
 Sun
 P.O. Box 537
 Avondale Estates, GA 30002
Customer SERVICE: (800)959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Naturally Fermented Vegetable & Cereal Derived Enzymes		
Citrus Extracts		
Wetting Agent		

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Dark brown clear liquid.

IMMEDIATE CONCERNS: CAUTION: May cause eye irritation. Avoid contact with eyes, skin or clothing. Do not ingest. Wear safety glasses when handling this product. Do not mix with any other chemicals.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation. Avoid contact with eyes.

SKIN: This product is not expected to cause skin irritation. However, in accordance with good personal hygiene practices, avoid contact with skin or clothing.

INGESTION: Excessive ingestion may cause mild nausea or diarrhea.

INHALATION: This product is not expected to present an inhalation hazard.

CHRONIC: There are no known chronic hazards.

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

4. FIRST AID MEASURES

EYES: If in eyes: Flush promptly with plenty of water for at least 15 minutes; get medical attention.

SKIN: If on skin: Wash promptly with plenty of soap and water. If irritation develops, get medical attention.

INGESTION: If swallowed: Call a 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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Not an expected route of overexposure.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

GENERAL HAZARD: There are no unusual fire and explosion hazards known.

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

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Flush to sewage or disposal system.

7. HANDLING AND STORAGE

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

HANDLING: Mix only with water. Do not mix with other chemicals.

STORAGE: Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear safety glasses with side shields where there is potential for eye contact.

SKIN: None required when used as directed.

RESPIRATORY: None required for normal use.

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

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Clear, Dark Brown

pH: 2.5 to 4.0

VAPOR PRESSURE: Same as water.

VAPOR DENSITY: 1 (Air=1)

BOILING POINT: Not Established

FREEZING POINT: Not Established

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.00 to 1.08 (water=1)

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: Vapors/fumes of organic/inorganic materials plus oxides of carbon may be emitted.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product may be irritating to eyes.

SKIN EFFECTS: This product is not expected to be a skin irritant or 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.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Flush to sewage or disposal system.

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: NO 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.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is not a registered pesticide.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY New MSDS

HMIS RATING

HEALTH:		1
FLAMMABILITY:		0
REACTIVITY:		0
PERSONAL PROTECTION:		B

NFPA RATING

HEALTH:		1
FIRE:		0
REACTIVITY:		0

Key

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

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