

MATERIAL SAFETY DATA SHEET

MSDS

Page: 1 of 5
Date-Issued: 02/16/1999
MSDS Ref. No: AOOO32407
Date-Revised: 05/01/2001
Revision No: 1

Spa Essentials Enzyme Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Spa Essentials Enzyme Cleaner
GENERAL USE: Reduces scum-line and improves filtration in spas and hot tubs.
CHEMICAL FAMILY: Vegetable enzyme derivative

MANUFACTURER

Asepsis, Inc.
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 Derived Enzymes		

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
Straw to light yellow colored liquid.

IMMEDIATE CONCERNS:

CAUTION: May cause eye and skin irritation. Avoid contact with eyes, skin or clothing. Do not ingest. Wear goggles or safety glasses and rubber gloves when handling this product. If product gets on clothing, remove and wash before reuse. Do not mix with any other chemicals.

POTENTIAL HEALTH EFFECTS

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

SKIN:
May cause skin irritation. Avoid contact with skin.

INGESTION:
Excessive ingestion may cause mild nausea or diarrhea.

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

MATERIAL SAFETY DATA SHEET

MSDS

Page: 2 of 5
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CHRONIC:

There are no known chronic hazards.

ROUTES OF ENTRY:

Skin Contact, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES:

If contact with eye occurs: Immediately flush with cold water for at least 15 minutes. If irritation persists, get medical attention.

SKIN:

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

INGESTION:

If swallowed: Drink large amounts of water. Avoid Alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center immediately.

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.

MATERIAL SAFETY DATA SHEET

MSDS

Page: 3 of 5
Date-Issued: 02/16/1999
MSDS Ref. No: AOOO32407
Date-Revised: 05/01/2001
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Spa Essentials Enzyme Cleaner

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Avoid contact with eyes, skin or clothing.

HANDLING:

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

STORAGE:

Keep this product in original tightly closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to minimize exposure to vapors.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE:

Wear goggles or safety glasses with side shields when handling this product.

SKIN:

Wear rubber gloves when handling this product. Avoid contact with skin.

RESPIRATORY:

None required.

WORK HYGIENIC PRACTICES:

If product gets on clothing, remove and wash before reuse.

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

ODOR: Mild

COLOR: Straw to Light Yellow

pH: 9 to 10

VAPOR PRESSURE: Same as water.

VAPOR DENSITY: 1 (Air = 1)

BOILING POINT: 100°C (212°F)

FREEZING POINT: Not Established

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1 (water=1)

MATERIAL SAFETY DATA SHEET

MSDS

Page: 4 of 5
Date-Issued: 02/16/1999
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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:

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

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

This product may be irritating to eyes.

SKIN EFFECTS:

This product may be irritating to skin.

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.

MATERIAL SAFETY DATA SHEET

MSDS

Page: 5 of 5
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Spa Essentials Enzyme Cleaner

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Not Regulated.
OTHER SHIPPING INFORMATION: Bill of Lading Description - Compounds, Swimming Pool, Cleaning or Water Treating, Dry or Liquid (NMFC 50086)

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

REVISION SUMMARY

Revision #: 1

This MSDS replaces the February 16, 1999 MSDS. Any changes in information are as follows:

NFPA CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 0

HMIS CODES

HEALTH: 1 FIRE: 0 REACTIVITY: 0 PROTECTION: B

MANUFACTURER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.
