

MATERIAL SAFETY DATA SHEET

MSDS



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Revision No: 3

Spa Essentials Stain & Scale Control**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Spa Essentials Stain & Scale Control
GENERAL USE: Stain & scale control for spas and hot tubs.

MANUFACTURER

Asepsis, Inc., A Chemtura Company
 P.O. Box 1788
 Suwanee GA 30024-0973
Product Stewardship: (877) 800-5553
Customer Care Number: (800) 959-7946

24 HR. EMERGENCY TELEPHONE NUMBERS

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

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Straw to light yellow colored liquid.

IMMEDIATE CONCERNS: DANGER: Corrosive: Causes eye burns. May Causes skin irritation. May be harmful if swallowed.
 Do not get in eyes, on skin or on clothing. Wear safety glasses and rubber gloves when handling this product. Avoid breathing vapors. If product gets on clothing, remove and wash contaminated clothing before reuse. Do not mix with other chemicals.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye burns. Do not get in eyes.

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

INGESTION: May be harmful if swallowed.

INHALATION: May be irritating to nose and throat. Avoid breathing vapors.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1-Hydroxyethylidene-1,1-diphosphonic acid	10 - 20	2809-21-4
Polymaleic Acid	10 - 20	26099-09-2

4. FIRST AID MEASURES

EYES: If contact with eyes occurs: 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 contact with skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

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: If inhaled: Remove to fresh air. Get medical attention if breathing is difficult.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Established

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

EXTINGUISHING MEDIA: Dry chemical, water, foam or carbon dioxide. Water should be used to cool surrounding containers.

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. Avoid breathing vapors.

HANDLING: Use safe chemical handling procedures for the hazards presented by this material. Do not mix with other chemicals.

STORAGE: Keep this product dry in original tightly closed container when not in use. Do not reuse container, but place in trash collection.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
1-Hydroxyethylidene-1,1-diphosphonic acid	TWA	N/E [1]	[1]	N/E	
Polymaleic Acid	TWA	[1]	[1]	[1]	[1]
OSHA TABLE COMMENTS:					
1. N/E = Not Established					

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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields when handling this product.

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

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

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

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

APPEARANCE: Clear

COLOR: Straw to Light Yellow

pH: < 3

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

BOILING POINT: Not Established

FREEZING POINT: Not Established

FLASHPOINT AND METHOD: Not Established

SOLUBILITY IN WATER: Miscible in Water

SPECIFIC GRAVITY: 9.080 lbs/gal

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

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

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product is presumed to be corrosive to eyes based on the main components. Prolonged exposure can lead to irreversible tissue damage.

SKIN EFFECTS: Based on the components, this product may be irritating to the skin.

CARCINOGENICITY

IARC: This product is not listed as a carcinogen by IARC.

NTP: This product is not listed as a carcinogen by NTP.

OSHA: This product is not listed as a carcinogen by OSHA.

COMMENTS: Toxicological information given is based on main component(s). The toxicological properties of this product have not been fully investigated.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is presumed to have low toxicity to fish and aquatic organisms based on the main constituents. Using best practices, keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of product in an approved chemical incinerator or in an approved chemical landfill in accordance with current federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquids, N.O.S. (Contains Phosphonic Acid)

PRIMARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: 1760

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Limited Quantity or ORM-D Consumer Commodity exemption if applicable.

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR370): 10,000 lbs

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: TSCA (Toxic Substances Control Act): This product or its components are listed on the TSCA Inventory. This product or its components are not subject to export notification.

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

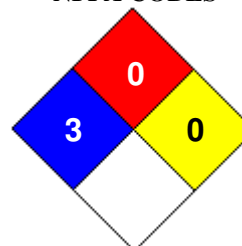
16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY: Revision #: 3 This MSDS replaces the August 30, 2006 MSDS. Any changes in information are as follows: In Section 1 MSDS Product Code In Section 14 DOT Proper Shipping Name DOT Technical Name DOT UN/NA Number

HMIS RATING

HEALTH:	1	3
FLAMMABILITY:	0	0
PHYSICAL HAZARD:	0	0
PERSONAL PROTECTION:	B	

NFPA CODES


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