

MATERIAL SAFETY DATA SHEET

MSDS

Hydrotech Sta-Bil

Date-Issued: 09/12/1997
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Revision No: 1

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hydrotech Sta-Bil
GENERAL USE: Prevents chlorine loss due to sunlight.
CHEMICAL FAMILY: Isocyanurate

MANUFACTURER

Asepsis, Inc.
Hydrotech
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>
Cyanuric acid	108-80-5	100

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: White, granular material

IMMEDIATE CONCERNS: CAUTION: May cause eye irritation. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses when handling this product. May be irritating to nose and throat. Avoid breathing dust. If product gets on clothing, remove and wash before reuse.

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, wash thoroughly with soap and water after handling product.

INGESTION: No adverse health effects anticipated from ingestion of incidental amounts of product.

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

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. If irritation develops, get medical attention.

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: Not Applicable

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

EXTINGUISHING MEDIA: Use water, dry chemical, Halon, alcohol foam, or carbon dioxide.

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: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate protective clothing and safety equipment, contain spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place in clean dry plastic containers for disposal. Dispose of according to local, state, and federal regulations.

7. HANDLING AND STORAGE

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

HANDLING: Mix only with water. 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 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Cyanuric acid						
	TWA	N/E ^[1]		N/E		

OSHA TABLE COMMENTS:

1. N/E = Not Established

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to minimize exposure to dust/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: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Remove and wash contaminated clothing 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: Solid

ODOR: Odorless

APPEARANCE: Granules

COLOR: White

pH: 4.8 to 5.2(10% slurry)
MELTING POINT: >330°C
SOLUBILITY IN WATER: Slight
DENSITY: 56 (lbs/cu ft)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination. Moisture/high humidity.

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

INCOMPATIBLE MATERIALS: Strong acids, strong alkalies, strong oxidizing agents, and all other swimming pool/spa chemicals in their concentrated forms.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: >7940 mg/kg of body weight in rabbits.

ORAL LD₅₀: >10000 mg/kg of body weight in rats

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.

MUTAGENICITY: Mutagenicity studies were negative.

TERATOGENIC EFFECTS: Testing shows that this product is not teratogenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: 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.

PRODUCT DISPOSAL: Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

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

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)****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 not a registered pesticide.**CLEAN AIR ACT****40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** This product is subject to the Clean Air Act Section 111 Volatile Organic Compounds.**16. OTHER INFORMATION****PREPARED BY:** Regulatory Affairs Department**REVISION SUMMARY** Revision #: 1

This MSDS replaces the September 12, 1997 MSDS. Any changes in information are as follows:

In Section 1

Prepared By

In Section 3

Emergency Overview - Immediate Concerns Potential Health Effects - Eyes Potential Health Effects - Skin Potential Health Effects - Inhalation Potential Health Effects - Ingestion

In Section 4

Firstaid - Eyes Firstaid - Skin Firstaid - Ingestion Firstaid - Inhalation

In Section 7

Handling Storage

HMIS RATING

HEALTH:		2
FLAMMABILITY:		1
REACTIVITY:		0
PERSONAL PROTECTION:		B

NFPA RATING

HEALTH:	2
FIRE:	1
REACTIVITY:	0

Key

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

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.