

MATERIAL SAFETY DATA SHEET

MSDS

Hydrotech Tile & Vinyl Cleanse**Date-Issued:** 09/12/1997**MSDS Ref. No:** AHYD23608**Date-Revised:** 09/29/2004**Revision No:** 2**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Hydrotech Tile & Vinyl Cleanse**GENERAL USE:** Removes scale and hard water deposits from pool walls.**CHEMICAL FAMILY:** Mixture**MANUFACTURER**

Asepsis, Inc.

Hydrotech

P.O. Box 1788

Suwanee, GA 30024-0973

Customer SERVICE: (800) 959-7946**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical) :** (877) 800 - 5553**CHEMTREC (US Transportation) :** (800) 424 - 9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| <u>Chemical Name</u> | <u>CAS#</u> | <u>Wt.%</u> |
|-----------------------------------------|-------------|-------------|
| Phosphoric acid | 7664-38-2 | 5 - 15 |
| Ethoxylated aliphatic amines | | 3 - 8 |
| Ethoxylated Alcohols, C12-16 | 68551-12-2 | 1 - 3 |
| Hydroxyacetic acid | 79-14-1 | 1 - 3 |
| Organic Acid Salt Mixture (Proprietary) | | 10 - 20 |

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Clear, red liquid with perfume odor.**IMMEDIATE CONCERNS: DANGER:** Corrosive: Causes skin and eye burns. Causes digestive tract burns. May cause allergic skin reaction. Do not taste or swallow. Do not get in eyes, on skin, or on clothing. **Wear safety glasses and rubber gloves when handling this product.** May be irritating to nose and throat. Avoid breathing vapors. Wash thoroughly after handling. If product gets on clothing, remove and wash the clothing before reuse. Do not mix with other chemicals.**POTENTIAL HEALTH EFFECTS****EYES:** Causes eye burns. Do not get in eyes.**SKIN:** Causes skin burns. Do not get on skin.**INGESTION:** Ingestion causes digestive tract burns, which may lead to perforation of the digestive tract, which may be fatal.**INHALATION:** May be irritating to nose and throat. Avoid breathing vapors.**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 contact with skin: Rinse skin immediately with plenty of water for 15-20 minutes. 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: None

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

EXTINGUISHING MEDIA: Water fog, carbon dioxide, dry chemical, or foam.

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include, but are not limited to, carbon monoxide, carbon dioxide, and vapors/fumes of potentially toxic organic/inorganic materials.

EXPLOSION HAZARDS: This product does not pose an immediate explosion hazard.

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.

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

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, state and federal regulations.

7. HANDLING AND STORAGE

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

HANDLING: Do not mix with other chemicals. Avoid the generation of mists in occupied areas.

STORAGE: Keep this product in original tightly closed container when not in use. Store in a cool, dry, well-ventilated area. Do not reuse container, but place in trash collection.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

| | | EXPOSURE LIMITS | | | | | |
|-----------------------------------------|-------------|------------------------|-------------------------|------------------|-------------------------|---------------------|-------------------------|
| | | OSHA PEL | | ACGIH TLV | | SUPPLIER OEL | |
| | | ppm | mg/m³ | ppm | mg/m³ | ppm | mg/m³ |
| Phosphoric acid | TWA | | 1 | | 1 | | |
| | STEL | | | | 3 | | |
| Ethoxylated aliphatic amines | TWA | [1] | | | | | |
| Ethoxylated Alcohols, C12-16 | TWA | [2] | | | | | |
| Hydroxyacetic acid | TWA | N/E | | N/E | | | |
| Organic Acid Salt Mixture (Proprietary) | TWA | [3] | | | | | |

OSHA TABLE COMMENTS:

1. N/E = Not Established
2. Not Established
3. NE = Not Established

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to maintain exposure below TLV.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear chemical safety goggles 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: 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: Perfume aroma

APPEARANCE: Clear to slightly cloudy

COLOR: Red

pH: Less than or equal to 1

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Not Established

BOILING POINT: Not Established

FREEZING POINT: Not Established

SOLUBILITY IN WATER: Miscible in Water

SPECIFIC GRAVITY: 1.04 g/ml

VISCOSITY: 800 to 1400cps

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. Bases and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: This product is corrosive to eyes.

SKIN EFFECTS: This product is corrosive to skin.

SENSITIZATION: This product is a potential skin 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: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

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

EMPTY CONTAINER: Do not reuse container, but place in trash collection. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquids, N.O.S. (contains phosphoric and hydroxyacetic acids)

PRIMARY HAZARD CLASS/DIVISION: 8 (Corrosive)

UN/NA NUMBER: 1760

PACKING GROUP: III

OTHER SHIPPING INFORMATION: Limited Quantity

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

313 REPORTABLE INGREDIENTS: Phosphoric acid is a SARA Title III Section 313 Toxic Chemical.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Phosphoric acid (CAS # 7664-38-2), a component of this product, has a CERCLA RQ of 5000 lbs.

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.

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

CLEAN WATER ACT: Phosphoric acid is listed as a Clean Water Act Section 311 Hazardous Substance.

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

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 2 This MSDS replaces the June 13, 2002 MSDS. Any changes in information are as follows: In Section 1 [] Print CHEMTREC Phone Number 24 Hour Emergency Phone Numbers In Section 3 Emergency Overview - Immediate Concerns In Section 4 Firstaid - Ingestion In Section 5 Combustion Products Extinguishing Media Explosion Hazards Hazardous Decomposition In Section 7 Handling Storage General Procedures In Section 8 Eyes-Face Protection In Section 9 Appearance (Group Field) for pH (pH) (Operator) (pH) (From) Specific Gravity (From) Viscosity (From) Viscosity (To) In Section 11 Sensitization In Section 13 Empty Container In Section 14 DOT Proper Shipping Name In Section 15 Fire Pressure Generating Reactivity Accute Chronic CERCLA Regulatory Clean Air Act 40 CFR FIFRA DEA In Section 16 HMIS Flammability NFPA Flammability

HMIS RATING

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

NFPA RATING

| | |
|--------------------|---|
| HEALTH: | 3 |
| FIRE: | 0 |
| REACTIVITY: | 1 |

Key

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

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