

Applied Biochemists Tile Max Plus

1. Product And Company Identification

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|---|---|
| <p>Supplier Applied Biochemists 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com</p> | <p>Manufacturer Advantis Technologies, Inc. 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com</p> |
| <p>Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300</p> | <p>Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300</p> |

Issue Date: 09/01/2004

Product Name: Applied Biochemists Tile Max Plus
 Chemical Family: Acid Mixture
 Chemical Formula: Proprietary
 MSDS Number: 322
 Product Code: Proprietary

2. Composition/Information On Ingredients

| Ingredient Name | CAS Number | Percent Of Total Weight |
|-----------------------------------|------------|-------------------------|
| AMINES, TALLOW ALKYL, ETHOXYLATED | 61791-26-2 | |
| HYDROCHLORIC ACID | 7647-01-0 | |
| OCTYLPHENOXYPOLYETHOXYETHANOL | 9036-19-5 | |
| PHOSPHORICACID | 7664-38-2 | |
| SULFURIC ACID | 7664-93-9 | |

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).

Hazards Identification (Pictograms)



3. Hazards Identification

Primary Routes(s) Of Entry
Eye Contact, Skin Contact

Eye Hazards
Causes severe eye burns.

Skin Hazards
Causes severe skin burns.

Ingestion Hazards
Corrosive to living tissue.

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3. Hazards Identification - Continued

Inhalation Hazards

May cause severe allergic respiratory reaction.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages

First Aid (Pictograms)



4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.

Skin

Rinse the affected area with tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

DO NOT INDUCE VOMITING. Drink large amounts of water. Contact a physician or poison control.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician or a poison control center immediately.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions

Water can be used to cool and protect exposed material. Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Neutralize spill area with soda ash or lime. Flood with water. Use appropriate containers to avoid environmental contamination. Use appropriate personal protective equipment (PPE).

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Do not store with alkalis.

Handling Precautions

Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

Storage Precautions

Avoid contact with Alkalis, Amines, and Metals. Keep out of reach of children.

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7. Handling And Storage - Continued

Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust acceptable. Special exhaust not required

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

None normally required.

Ingredient(s) - Exposure Limits

HYDROCHLORIC ACID

ACGIH TLV-CEILING 5 ppm

OSHA PEL-CEILING 5 ppm

PHOSPHORIC ACID

ACGIH TLV-STEL 3 mg/m3

ACGIH TLV-TWA 1 mg/m3

OSHA PEL-TWA 1 mg/m3

SULFURIC ACID

ACGIH TLV-STEL 3 mg/m3

ACGIH TLV-TWA 1 mg/m3

OSHA PEL-TWA 1 mg/m3

9. Physical And Chemical Properties

Appearance

amber, viscous liquid

Odor

Mild

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 212 °F

Specific Gravity: 1.1-1.2

Percent Volitales: NOT DETERMINED

Packing Density: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

Vapor Density: >1

pH Factor: 0-2

Solubility: Soluble in Water

Viscosity: NOT DETERMINED

Evaporation Rate: <1

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10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Avoid contact with strong Amines, Alkalis, and Metals. Heat can cause hydrogen chloride.

Incompatible Materials

Alkalis, Amines and Metals

Hazardous Decomposition Products

Hydrogen Chloride

11. Toxicological Information

Ingredient(s) - Carcinogenicity

SULFURIC ACID

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Refer to applicable federal, state, and local regulations prior to disposition of container and residual contents.

14. Transport Information

Proper Shipping Name

Corrosive, Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric and Sulfuric Acids)

Hazard Class

8, PGII (<1L Consumer Commodity ORM-D)

DOT Identification Number

UN3264

DOT (Pictograms)



15. Regulatory Information

SARA Title III - Section 313 Supplier Notification

This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

HYDROCHLORIC ACID (7647-01-0) %

SULFURIC ACID (7664-93-9) %

This information must be included on all MSDSs that are copied and distributed for this material.

Ingredient(s) - U.S. Regulatory Information

HYDROCHLORIC ACID

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SULFURIC ACID

SARA Title III - EPA Part 355 Extremely Hazardous Substance

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations

HYDROCHLORIC ACID

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- New Jersey - TCPA Extraordinarily Hazardous Substance
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

SULFURIC ACID

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- Pennsylvania - Workplace Hazard
- Pennsylvania - Environmental Hazard
- California - CalARP Table 3 Regulated Substance
- Massachusetts - Hazardous Substance
- New York City - Hazardous Substance

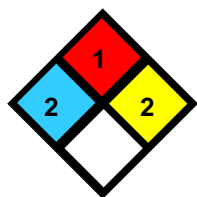
Canadian Regulatory Information

- Class D, Div 1a - Poisonous or Infectious Material: immediate and serious toxic effects
- Class D, Div 2a - Poisonous or Infectious Material: other toxic effects
- Class D, Div 2b - Poisonous or Infectious Material: other toxic effects
- Class E - Corrosive Material

WHMIS - Canada (Pictograms)



NFPA



HMIS

| | |
|---------------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 0 |
| REACTIVITY | 1 |
| PERSONAL PROTECTION | X |

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 07/02/2002

Disclaimer

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