

Applied Biochemists Tile Blaster

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| 1. Product And Company Identification | |
| <u>Supplier</u> 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 | <u>Manufacturer</u> 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 |
| <u>Supplier Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300 | <u>Manufacturer Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300 |
| Issue Date: 04/19/2001 Product Name: Applied Biochemists Tile Blaster CAS Number: Not Established Chemical Family: Surface Cleaner Acid Mixture Chemical Formula: Proprietary MSDS Number: 105 Product Code: Proprietary | |

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|--|---------------------|---------------|----------------------------|
| 2. Composition/Information On Ingredients | | | |
| | Ingredient Name | CAS Number | Percent Of Total Weight |
| | AMMONIUM BIFLUORIDE | 1341-49-7 | |
| | HYDROCHLORIC ACID | 7647-01-0 | |
| | PHOSPHORIC ACID | 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). | | | |

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| <u>Hazards Identification (Pictograms)</u>  |
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| 3. Hazards Identification <u>Primary Routes(s) Of Entry</u> Eye Contact, Skin Contact <u>Eye Hazards</u> Causes permanent eye damage. <u>Skin Hazards</u> Causes severe skin burns. |
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MATERIAL SAFETY DATA SHEET

Applied Biochemists Tile Blaster

3. Hazards Identification - Continued

Ingestion Hazards

Toxic by ingestion.

Inhalation Hazards

Toxic by Inhalation. May cause Pulmonary edema.

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

In case of fire, soak (flood) with water.

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

Use acid spill kit to neutralize and contain spill or 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. Take care to limit exposure. Do not store with alkalis.

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7. Handling And Storage - Continued

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. Do not store in glass. Keep out of reach of children.

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 recommended. 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.

Other/General Protection

Rubber Apron is recommended. Eye wash and safety shower in work area recommended.

Ingredient(s) - Exposure Limits

AMMONIUM BIFLUORIDE

ACGIH TLV-TWA 2.5 mg/m³

OSHA PEL-TWA 2.5 mg/m³

HYDROCHLORIC ACID

ACGIH TLV-CEILING 5 ppm

OSHA PEL-CEILING 5 ppm

PHOSPHORIC ACID

PEL TLV

1mg/m³ 1mg/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

Dark brown liquid

Odor

Characteristic, pungent odor

Chemical Type: Mixture

Physical State: Liquid

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9. Physical And Chemical Properties - Continued

Odor - Continued

Melting Point: n/a °F

Boiling Point: 212 °F

Specific Gravity: 1.1-1.2

Percent Volatiles: >50

Packing Density: NOT DETERMINED

Vapor Pressure: 42

Vapor Density: UNKNOWN

pH Factor: 0-2

Solubility: Soluble in Water

Viscosity: NOT DETERMINED

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatible Materials

Avoid contact with strong Amines, Alkalis, **GLASS** and Metals.

Hazardous Decomposition Products

Hydrogen, POx, Fluoride, Ammonia, Oxides of Nitrogen and Sulfur

11. Toxicological Information

Conditions Aggravated By Exposure

Respiratory Conditions

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.(CONTAINS, HYDROFLUORIC ACID AND SULFURIC ACID MIXTURE

Hazard Class

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

DOT Identification Number

UN3264

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DOT (Pictograms)



15. Regulatory Information

Ingredient(s) - U.S. Regulatory Information

HYDROCHLORIC ACID

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

SULFURIC ACID

SARA Title III - EPA Part 355 Extremely Hazardous Substance
SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
SARA - Acute Health Hazard
SARA - Chronic Health Hazard
SARA - Fire Hazard
SARA - Reactivity Hazard

Ingredient(s) - State Regulations

AMMONIUM BIFLUORIDE

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

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

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| NFPA  | HMIS <table border="1"><tr><td>HEALTH</td><td style="text-align: center;">3</td></tr><tr><td>FLAMMABILITY</td><td style="text-align: center;">0</td></tr><tr><td>REACTIVITY</td><td style="text-align: center;">1</td></tr><tr><td>PERSONAL PROTECTION</td><td style="text-align: center;">D</td></tr></table> | HEALTH | 3 | FLAMMABILITY | 0 | REACTIVITY | 1 | PERSONAL PROTECTION | D |
| HEALTH | 3 | | | | | | | | |
| FLAMMABILITY | 0 | | | | | | | | |
| REACTIVITY | 1 | | | | | | | | |
| PERSONAL PROTECTION | D | | | | | | | | |

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Superceeds A Previous MSDS Dated: 09/18/2000

Disclaimer

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