

1. Product And Company Identification	
<b>Supplier</b> 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	<b>Manufacturer</b> 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
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300
Issue Date: 10/12/2005  Product Name: Applied Biochemists Tile Max Plus (New 08-2005) CAS Number: Not Established Chemical Family: Acid Mixture Chemical Formula: Proprietary MSDS Number: 340 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		
PHOSPHORICACID	7664-38-2		
SECONDARY ALCOHOL ETHOXYLATE	84133-50-6		
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).			

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

## Applied Biochemists Tile Max Plus (New 08-2005)

### 3. Hazards Identification - Continued

#### Ingestion Hazards

Corrosive to living tissue.

#### 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.

# MATERIAL SAFETY DATA SHEET

## Applied Biochemists Tile Max Plus (New 08-2005)

### 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. 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 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/m<sup>3</sup>

ACGIH TLV-TWA 1 mg/m<sup>3</sup>

OSHA PEL-TWA 1 mg/m<sup>3</sup>

SULFURIC ACID

ACGIH TLV-STEL 3 mg/m<sup>3</sup>

ACGIH TLV-TWA 1 mg/m<sup>3</sup>

OSHA PEL-TWA 1 mg/m<sup>3</sup>

### 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 Volatiles:** NOT DETERMINED

**Packing Density:** NOT DETERMINED

**Vapor Pressure:** NOT DETERMINED

# MATERIAL SAFETY DATA SHEET

## Applied Biochemists Tile Max Plus (New 08-2005)

### 9. Physical And Chemical Properties - Continued

**Odor - Continued**

Vapor Density: >1

pH Factor: 0-2

Solubility: Soluble in Water

Viscosity: NOT DETERMINED

Evaporation Rate: <1

### 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

**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

# MATERIAL SAFETY DATA SHEET

## Applied Biochemists Tile Max Plus (New 08-2005)

### 15. Regulatory Information - Continued

#### Ingredient(s) - U.S. Regulatory Information - Continued

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

##### 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

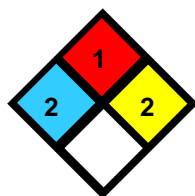
#### Canadian Regulatory Information

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: 05/09/2005

# **MATERIAL SAFETY DATA SHEET**

## **Applied Biochemists Tile Max Plus (New 08-2005)**

### **Disclaimer**

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**Applied Biochemists**

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