



MATERIAL SAFETY DATA SHEET

Robarb Tile Buster

1. Product And Company Identification	
Supplier Robarb 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com	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
Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300
Issue Date: 02/27/2006 Product Name: Robarb Tile Buster CAS Number: Not Established Chemical Family: Acid Mixture Chemical Formula: Proprietary MSDS Number: 74 Product Code: Proprietary	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
(Carboxymethyl) bis(2-OH-et) Taloammon OH	70750-46-8		
HYDROCHLORIC ACID	7647-01-0		
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.

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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.

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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. 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

(Carboxymethyl) bis(2-OH-et) Taloammon OH

NOT ESTABLISHED

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

Pale amber 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

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9. Physical And Chemical Properties - Continued

Odor - Continued

Vapor Pressure: NOT DETERMINED

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, N.O.S. (Sulfuric and Phosphoric Acids)

Hazard Class

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

DOT Identification Number

UN1760

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

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15. Regulatory Information - Continued

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

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

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

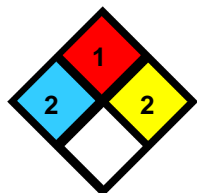
Canadian Regulatory Information

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	C

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 09/13/2000

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Disclaimer

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Robarb

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