



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
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

ACEAN - DAY OR NIGHT: (800) 654-6911

Manufacturer Emergency Contacts & Phone Number

CHEMTREC - DAY OR NIGHT: (800) 424-9300

ACEAN - DAY OR NIGHT: (800) 654-6911

Issue Date: 06/26/2009

Product Name: Robarb Tile Buster

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	
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).

EMERGENCY OVERVIEW

Danger / Poison

Keep Out of Reach of Children

Contains sulfuric acid, phosphoric acid, and hydrochloric acid.

Hazards Identification (Pictograms)

3. Hazards Identification

Primary Route(s) Of Entry

Eye Contact, Skin Contact

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3. Hazards Identification - Continued

Eye Hazards

Causes eye burns.

Skin Hazards

Causes skin burns.

Ingestion Hazards

Harmful if swallowed. Corrosive to living tissue.

Inhalation Hazards

May cause burns to the respiratory tract.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages

First Aid (Pictograms)



4. First Aid Measures

Eye

Hold eyelids open and rinse slowly with water for 15-20 minutes. Remove contact lenses if present after 5 minutes then continue rinsing eye. Call poison control center or doctor for treatment advice.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

Call a poison control center immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless directed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Note To Physician

Probable mucosal damage may contraindicate the use of gastric lavage.

Have product container with you when calling a poison control center or doctor, or when going for treatment. IN CASE OF EMERGENCY CALL: 1-800-654-6911.

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

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5. Fire Fighting Measures - Continued

Fire Fighting Instructions - Continued

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

Keep Out of Reach of Children. Contains sulfuric acid, phosphoric acid, and hydrochloric acid. Avoid contact with skin, eyes or clothing. Do not inhale or swallow. Do not mix with other chemicals. **Avoid spilling or dripping on concrete or marble surfaces.**

Storage Precautions

Store tightly closed in original container in a cool, dry location.

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

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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

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) - Carginogenicity

SULFURIC ACID

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Use entire contents, then triple rinse and offer for recycling, or dispose in accordance with local, state, and federal regulations. Do not reuse container.

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

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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

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

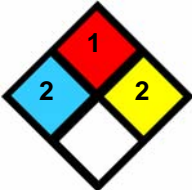
WHMIS - Canada (Pictograms)



MATERIAL SAFETY DATA SHEET

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NFPA	HMIS								
	<table><tr><td>HEALTH</td><td>3</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>C</td></tr></table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	C
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

Disclaimer

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Robarb