



MATERIAL SAFETY DATA SHEET

Robarb Clean-A-Way

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
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Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300
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Issue Date: 02/13/2006

Product Name: Robarb Clean-A-Way
 Chemical Name: Multi Purpose Cleaner
 CAS Number: Not Established
 Chemical Formula: Proprietary Mixture
 MSDS Number: 12

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONICACID	2809-21-4	
2-BUTOXYETHANOL	111-76-2	
CITRICACID	77-92-9	
Poly(oxy-1,2-ethanediyl),alpha-(nonlyphenyl-omega-hydroxy)-	9016-45-9	

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).

3. Hazards Identification

Primary Routes(s) Of Entry
 Skin Contact

Eye Hazards
 May cause eye burns and tissue damage.

Skin Hazards
 May cause skin damage.

Ingestion Hazards
 If ingested, get immediate medical attention

Inhalation Hazards
 Causes respiratory tract irritation.

Signs And Symptoms
 Irritation of Eyes and Respiratory Passages

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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. Get medical attention immediately.

Skin

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Give Milk, Egg Whites or Baking Soda Immediately. Drink large amounts of water. Contact a physician or poison control.

Inhalation

If inhaled, remove to fresh air. Consult a physician. If breathing is difficult, give oxygen.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: 150 °F

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Flush spill area with water. Use appropriate containers to avoid environmental contamination.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place.

Work/Hygienic Practices

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

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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.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

General room ventilation is normally adequate.

Ingredient(s) - Exposure Limits

2-BUTOXYETHANOL

ACGIH TLV-TWA 20 ppm (Skin)

OSHA PEL-TWA 50 ppm (Skin)

9. Physical And Chemical Properties

Appearance

Clear liquid

Odor

Detergent

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 215 °F

Specific Gravity: 1.138

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: 17

Vapor Density: 0.6

pH Factor: 1-3

Solubility: SOLUBLE IN WATER

Evaporation Rate: 16.0

Corrosive

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

Avoid contact with strong acids and alkalis

Incompatible Materials


Acids and Alkalis

Hazardous Decomposition Products

Oxides of carbon, nitrogen, aldehydes, ketones

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11. Toxicological Information									
Acute Studies Concentrated product corrosive to skin and mucous membranes									
12. Ecological Information									
No Data Available...									
13. Disposal Considerations									
Refer to applicable local, state and federal regulations as well as industry standards.									
14. Transport Information									
Proper Shipping Name Corrosive Liquid, Acidic, Organic, N.O.S. (1-Hydroxyethylidene-1,1-Diphosphonic Acid)									
Hazard Class 8, PGIII (<=4L Consumer Commodity ORM-D)									
DOT Identification Number UN3265									
Additional Shipping Paper Description North American Emergency Response Guide No.153 Not regulated by DOT for ground shipments [see exception for material corrosive to steel/aluminum 49CFR 173.154(d)].									
15. Regulatory Information									
Ingredient(s) - U.S. Regulatory Information 2-BUTOXYETHANOL SARA Title III - Section 313 Form "R"/TRI Reportable Chemical SARA - Acute Health Hazard SARA - Chronic Health Hazard SARA - Fire Hazard									
Ingredient(s) - State Regulations 2-BUTOXYETHANOL New Jersey - Workplace Hazard New Jersey - Environmental Hazard Pennsylvania - Workplace Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance									
NFPA 	HMIS <table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>D</td></tr></table>	HEALTH	2	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	D
HEALTH	2								
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16. Other Information									
Revision/Preparer Information MSDS Preparer: JHW									

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Disclaimer

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Robarb

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