



MATERIAL SAFETY DATA SHEET

Robarb Back Wash

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: 02/10/2006

Product Name: Robarb Back Wash
 Chemical Name: Proprietary Mixture
 CAS Number: Not Established
 Chemical Family: Filter Cleaner
 Chemical Formula: Proprietary Mixture
 MSDS Number: 38

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1-Hydroxyethane-1,1-diphosphoric Acid	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 irreversible eye damage.

Skin Hazards
 May cause permanent skin damage.

Ingestion Hazards
 If ingested, get immediate medical attention

Inhalation Hazards
 May be severely irritating to respiratory tract.

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3. Hazards Identification - Continued

Inhalation Hazards - Continued

Signs And Symptoms

Irritation of Eyes 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. Get medical attention immediately.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. 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. If not breathing, give artificial respiration.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: n/a °F

Fire And Explosion Hazards

Fumes released under fire conditions are toxic.

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.

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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.

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

Dark blue 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: <1

Corrosive

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10. Stability And Reactivity

Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

Avoid contact with strong alkalis

Incompatible Materials

Alkalis

Hazardous Decomposition Products

Oxides of carbon, nitrogen, aldehydes, ketones

11. Toxicological Information

Acute Studies

Concentrated product may be 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. (Hydroxyethanediphosphonic Acid)

Hazard Class

8, PGIII (<=4L Consumer Commodity ORM-D)

DOT Identification Number

UN3265

Additional Shipping Paper Description

DOT (Pictograms)



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


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15. Regulatory Information

NFPA	HMIS
	HEALTH <input type="text" value="3"/>
	FLAMMABILITY <input type="text" value="1"/>
	REACTIVITY <input type="text" value="1"/>
	PERSONAL PROTECTION <input type="text" value="D"/>

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Supercedes A Previous MSDS Dated: 07/24/2000

Disclaimer

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Robarb

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