



## Robarb Spray &amp; Rinse

1. Product And Company Identification			
<b>Supplier</b> 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		<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: 02/13/2006 Product Name: Robarb Spray & Rinse 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			
<b>Primary Routes(s) Of Entry</b> Skin Contact			
<b>Eye Hazards</b> May cause eye burns and tissue damage.			
<b>Skin Hazards</b> May cause skin damage.			
<b>Ingestion Hazards</b> If ingested, get immediate medical attention			
<b>Inhalation Hazards</b> Causes respiratory tract irritation.			
<b>Signs And Symptoms</b> Irritation of Eyes and Respiratory Passages			

**MATERIAL SAFETY DATA SHEET****Robarb Spray & Rinse****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.

**MATERIAL SAFETY DATA SHEET****Robarb Spray & Rinse****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

# MATERIAL SAFETY DATA SHEET

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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

<p><b>NFPA</b></p>	<p><b>HMIS</b></p> <table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">D</td> </tr> </table>	HEALTH	2	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	D
HEALTH	2								
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PERSONAL PROTECTION	D								

**16. Other Information**

**Revision/Preparer Information**  
 MSDS Preparer: JHW

**MATERIAL SAFETY DATA SHEET**

**Robarb Spray & Rinse**

**Disclaimer**

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**Robarb**

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