



# MATERIAL SAFETY DATA SHEET

## Robarb Spray & Rinse

### 1. Product And Company Identification

<b>Supplier</b> <b>Robarb</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b> Telephone Number: (770)521-5999 FAX Number: (770)521-5959 Web Site: www.poolspacare.com	<b>Manufacturer</b> <b>Advantis Technologies, Inc.</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b> Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
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<b>Supplier Emergency Contacts &amp; Phone Number</b> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>
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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

**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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<b>11. Toxicological Information</b>									
<b>Acute Studies</b> Concentrated product corrosive to skin and mucous membranes									
<b>12. Ecological Information</b>									
No Data Available...									
<b>13. Disposal Considerations</b>									
Refer to applicable local, state and federal regulations as well as industry standards.									
<b>14. Transport Information</b>									
<b>Proper Shipping Name</b> Corrosive Liquid, Acidic, Organic, N.O.S. (1-Hydroxyethylidene-1,1-Diphosphonic Acid)									
<b>Hazard Class</b> 8, PGIII (<=4L Consumer Commodity ORM-D)									
<b>DOT Identification Number</b> UN3265									
<b>Additional Shipping Paper Description</b> 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)].									
<b>15. Regulatory Information</b>									
<b>Ingredient(s) - U.S. Regulatory Information</b> 2-BUTOXYETHANOL SARA Title III - Section 313 Form "R"/TRI Reportable Chemical SARA - Acute Health Hazard SARA - Chronic Health Hazard SARA - Fire Hazard									
<b>Ingredient(s) - State Regulations</b> 2-BUTOXYETHANOL New Jersey - Workplace Hazard New Jersey - Environmental Hazard Pennsylvania - Workplace Hazard Massachusetts - Hazardous Substance New York City - Hazardous Substance									
<b>NFPA</b> 	<b>HMIS</b> <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								
FLAMMABILITY	1								
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PERSONAL PROTECTION	D								
<b>16. Other Information</b>									
<b>Revision/Preparer Information</b> MSDS Preparer: JHW									

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**Robarb**

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