

# ROBARB MATERIAL SAFETY DATA SHEET



## Robarb Clean A Way

<b>1. Product And Company Identification</b>	
<u>Supplier</u> <b>Robarb</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b>  <b>Telephone Number:</b> (770)521-5999 <b>FAX Number:</b> (770)521-5959 <b>Web Site:</b> www.poolspacare.com	<u>Manufacturer</u> <b>Advantis Technologies Inc.</b> <b>1400 Bluegrass Lakes Parkway</b> <b>Alpharetta, GA 30004 United States</b>  <b>Telephone Number:</b> (770) 521-5999 <b>FAX Number:</b> (770) 521-5959 <b>Web Site:</b> www.poolspacare.com
<u>Supplier Emergency Contacts &amp; Phone Number</u> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>	<u>Manufacturer Emergency Contacts &amp; Phone Number</u> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>
<b>Issue Date:</b> 04/17/2001  <b>Product Name:</b> Robarb Clean A Way <b>CAS Number:</b> Not Established <b>Chemical Formula:</b> Proprietary Mixture <b>MSDS Number:</b> 12	

<b>2. Composition/Information On Ingredients</b>			
	Ingredient Name	CAS Number	Percent Of Total Weight
	2-BUTOXYETHANOL	111-76-2	
	CITRIC ACID	77-92-9	
	1-Hydroxyethylidene-1, 1-diphosphonic Acid	2809-21-4	
	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).			

<b>3. Hazards Identification</b>
<u>Primary Routes(s) Of Entry</u> Skin Contact
<u>Eye Hazards</u> Causes irreversible eye damage.
<u>Skin Hazards</u> Causes skin irritation.
<u>Ingestion Hazards</u> If ingested, get immediate medical attention
<u>Inhalation Hazards</u> Causes respiratory tract irritation.
<u>Signs And Symptoms</u> 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

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### 10. Stability And Reactivity - Continued

#### Hazardous Decomposition Products

Oxides of carbon, nitrogen, aldehydes, ketones

### 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, N.O.S. (Contains Hydroxyethanediphosphonic Acid)

#### Hazard Class

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

#### DOT Identification Number

UN3265

#### 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

#### Canadian Regulatory Information

Class B - Combustible or Flammable Material,

Class D, Div 2b - Poisonous or Infectious Material: other toxic effects,

Class E - Corrosive Material

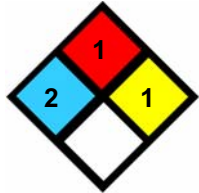
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### WHMIS - Canada (Pictograms)



### NFPA



### HMIS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	C

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: JHW3

#### Disclaimer

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Robarb

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