



## Robarb Bromine Energizer

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: 02/10/2006 Product Name: Robarb Bromine Energizer CAS Number: Not Established Chemical Family: Bromide Salt Chemical Formula: Proprietary Mixture MSDS Number: 45			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
SODIUMBROMIDE	7647-15-6		
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 irritation.			
<b>Skin Hazards</b> May cause skin irritation.			
<b>Ingestion Hazards</b> Not expected to be acutely toxic.			
<b>Inhalation Hazards</b> Can cause respiratory tract irritation.			
<b>Signs And Symptoms</b> Irritation of eyes, skin, and/or respiratory passages.			

**MATERIAL SAFETY DATA SHEET****Robarb Bromine Energizer****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.

**Ingestion**

Drink large amounts of water. Contact a physician or poison control.

**Inhalation**

If inhaled, remove to fresh air.

**Fire Fighting (Pictograms)****5. Fire Fighting Measures**

Flash Point: n/a °F

**Extinguishing Media**

Use the appropriate extinguishing media for the surrounding fire.

**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.

**7. Handling And Storage****Handling Precautions**

Do not get in eyes or on skin.

**Storage Precautions**

Do not reuse container. Store in a cool dry place. Store away from strong acids, oxidizing agents, bromine trifluoride and salts of heavy metals. Keep away from children.

**Work/Hygienic Practices**

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

**Protective Clothing (Pictograms)**

**MATERIAL SAFETY DATA SHEET****Robarb Bromine Energizer****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.

**9. Physical And Chemical Properties****Appearance**

White crystalline solid

**Odor**

None

Chemical Type: Mixture

Physical State: Solid

Melting Point: 755 °C

Boiling Point: 1390 °C

Specific Gravity: 3.21

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: 1mm hg @ 806C

Solubility: 95g/100g @25C

Evaporation Rate: n/a

**10. Stability And Reactivity**

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

**Incompatible Materials**

Acids, oxidizers, bromine triflouride and salts of heavy metals

**Hazardous Decomposition Products**

Bromine gas

**11. Toxicological Information****Skin Effects**

Dermal LD50 (Rabbit) >2g/kg

**Acute Oral Effects**

LD50 mg/kg Rat >= 4.2gr/kg

**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**

No Data Available...

# MATERIAL SAFETY DATA SHEET

## Robarb Bromine Energizer

**14. Transport Information - Continued**

Proper Shipping Name  
NOT REGULATED


Hazard Class  
NOT REGULATED

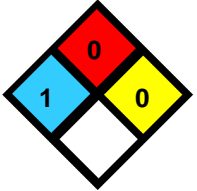
DOT Identification Number  
NONE

**15. Regulatory Information**

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

WHMIS - Canada (Pictograms)



<b>NFPA</b>	<b>HMIS</b>								
	<table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	B								

**16. Other Information**

Revision/Preparer Information  
MSDS Preparer: JHW  
This MSDS Supersedes A Previous MSDS Dated: 07/26/2000

**Disclaimer**

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**Robarb**

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