



MATERIAL SAFETY DATA SHEET

Robarb Bromine Energizer

1. Product And Company Identification				
<u>Supplier</u> 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		<u>Manufacturer</u> 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		
<u>Supplier Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300		<u>Manufacturer Emergency Contacts & Phone Number</u> CHEMTREC - DAY OR NIGHT: (800) 424-9300		
Issue Date: 04/17/2001 Product Name: Robarb Bromine Energizer CAS Number: Not Established Chemical Family: Bromide Chemical Formula: Proprietary Mixture MSDS Number: 45				
2. Composition/Information On Ingredients				
		Ingredient Name	CAS Number	Percent Of Total Weight
		SODIUM BROMIDE	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				
<u>Primary Routes(s) Of Entry</u> Skin Contact <u>Eye Hazards</u> Causes irreversible eye damage. <u>Skin Hazards</u> May cause skin irritation. <u>Ingestion Hazards</u> May cause Nausea vomiting Abdominal pain in severe cases Coma and Paralysis <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.

Ingestion

Drink large amounts of water. Contact a physician or poison control. Repeated ingestion may affect central nervous system.

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 And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place.

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

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.

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 and 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

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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

NOT REGULATED

Hazard Class

NOT REGULATED

DOT Identification Number

NONE

DOT Shipping Label

NOT ASSIGNED

15. Regulatory Information

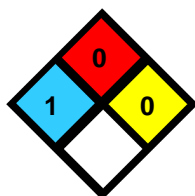
Canadian Regulatory Information

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

WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Supercedes A Previous MSDS Dated: 07/26/2000

Disclaimer

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Robarb