


ROBARB MATERIAL SAFETY DATA SHEET



Robarb Bromochem Brominating Tablets

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: 04/16/2001 Product Name: Robarb Bromochem Brominating Tablets CAS Number: Not Established Chemical Family: Brominating disinfecting tablets, Active Halogen Chemical Formula: $\text{BrCl}(\text{CH}_3)_2 \text{C}_3\text{N}_2\text{O}_2$ MSDS Number: 139	

2. Composition/Information On Ingredients			
	Ingredient Name	CAS Number	Percent Of Total Weight
	1,3 BROMO, CHLORO-5, 5-DIMETHYL-HYDANTOIN	126-06-7	
	1,3 DICHLORO-5, 5-DIMETHYL-HYDANTOIN	118-52-5	
	1,3 DICHLORO-5, ETHYL-5-METHYL HYDANTOIN	89415-87-2	
	SODIUM CHLORIDE	7647-14-5	
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).			

<u>Hazards Identification (Pictograms)</u> 
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3. Hazards Identification <u>Primary Routes(s) Of Entry</u> Skin Contact, Inhalation <u>Eye Hazards</u> Causes irreversible eye damage. <u>Skin Hazards</u> May cause severe skin irritation.
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3. Hazards Identification - Continued

Ingestion Hazards

Aspiration hazard if swallowed. Can enter lungs and cause damage.

Inhalation Hazards

Causes severe respiratory tract irritation.

Signs And Symptoms

Irritation of Skin, Eyes and Respiratory Passages

Conditions Aggravated By Exposure

None Known

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. Call a physician or poison control center immediately.

Ingestion

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

Inhalation

If not breathing, give artificial respiration. If inhaled, remove to fresh air.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: n/a °F

Flammability Class: Not Flammable

Fire And Explosion Hazards

Material is combustible in a fire and produces gases of hydrogen bromide, bromine gas-nitrogen oxides, and hydrogen chloride.

Extinguishing Media

Use CO2 (Carbon Dioxide), dry chemical, or water spray

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Clean up spill immediately. Carefully sweep up material and place in a compatible container for reclamation. Use appropriate containers to avoid environmental contamination.

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7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place away from oxidizers. Use only with adequate ventilation. Avoid breathing dust.

Handling Precautions

Avoid breathing dust or vapor. Avoid contact with skin and clothing. Avoid contact with eyes. Avoid creating dust. Long sleeves and pants required to prevent prolonged or repeated skin contact.

Storage Precautions

Do not reuse container. Store in a cool dry place. Store away from Oxidizing agents.

Work/Hygienic Practices

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

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

General room ventilation is normally adequate. The level of respiratory protection needed should be based on the required protection factor after evaluating chemical exposures using appropriate industrial hygiene monitoring and/or OSHA guidance.

9. Physical And Chemical Properties

Appearance

White tablet

Odor

Halogen

Chemical Type: Mixture

Physical State: Solid

Melting Point: DECOMPOSES °F

Boiling Point: n/a °F

Specific Gravity: 1.8-2.0

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: NOT APPLICABLE

Vapor Density: NOT VOLATILE

Solubility: 0.2% @ 25C

Evaporation Rate: n/a

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10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Incompatible Materials

Acids/Bases and Oxidizers/Reducing agents Organic chemicals

Hazardous Decomposition Products

Bromine gas, Hydrogen Bromide, Hydrogen Chloride

11. Toxicological Information

Skin Effects

Dermal LD50 (Rabbit) >2g/kg

Acute Oral Effects

LD50 mg/kg Rat >= 1.5gr/kg

Acute Inhalation Effects

LC50 mg/kg Rat 0.53 mg/L

Chronic/Carcinogenicity

Direct skin and/or eye contact can result in severe skin and eye irritation that may produce irreversable damage.
Inhalation can cause severe irritation of nose, throat, and lungs

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

OXIDIZING SOLID

N.O.S. (1 BROMO, 3 CHLORO-5, 5-DIMETHYL-HYDANTOIN
1,3 DICHLORO-5,5-DIMETHYL-HYDANTOIN)

Hazard Class

8, PGII (<= 1kg Consumer Commodity ORM-D)

DOT Identification Number

UN1479

DOT (Pictograms)



15. Regulatory Information

Canadian Regulatory Information

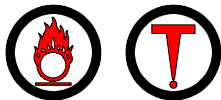
Class C - Oxidizing Material

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

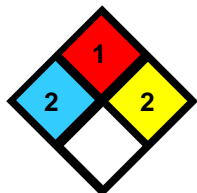
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WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

This MSDS Superceeds A Previous MSDS Dated: 01/11/2001

Disclaimer

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Robarb

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