Leisure Time Brom Tabs

1. Product And Company Identification

Supplier
Leisure Time
1400 Bluegrass Lakes Parkway
Alpharetta, GA 30004 United States
Telephone Number: (770) 521-5999
Fax Number: (770) 521-5959
Web Site: www.poolspacare.com

Manufacturer
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

Supplier Emergency Contacts & Phone Number
CHEMTREC - DAY OR NIGHT: (800) 424-9300

Manufacturer Emergency Contacts & Phone Number
CHEMTREC - DAY OR NIGHT: (800) 424-9300

Issue Date: 08/05/2004

Product Name: Leisure Time Brom Tabs
Chemical Name: Bromine Tablets BCDMH
Chemical Family: Brominating disinfecting tablets, Active Halogen
Chemical Formula: BrCl(CH3)2 C3N2O2
MSDS Number: 50

2. Composition/Information On Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent Of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,3 DICHLORO-5, 5-DIMETHYL-HYDANTOIN</td>
<td>118-52-5</td>
<td></td>
</tr>
<tr>
<td>1,3 DICHLORO-5, ETHYL-5-METHYL HYDANTOIN</td>
<td>89415-87-2</td>
<td></td>
</tr>
<tr>
<td>1-BROMO-3-CHLORO-5, 5-DIMETHYLHYDANTOIN</td>
<td>16079-88-2</td>
<td></td>
</tr>
<tr>
<td>SODIUM CHLORIDE</td>
<td>7647-14-5</td>
<td></td>
</tr>
</tbody>
</table>

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

3.1 Primary Routes(s) Of Entry

Skin Contact, Inhalation

3.2 Eye Hazards

Causes irreversible eye damage.

3.3 Skin Hazards

May cause severe skin irritation.

3.4 Ingestion Hazards

Aspiration hazard if swallowed. Can enter lungs and cause damage.
3. Hazards Identification - Continued

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
Flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention. If physician not available, flush for additional 15 minutes and then transport victim to medical care.

Skin
Immediately wipe away excess material with a dry cloth while removing contaminated clothing and shoes. Under safety shower, wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing and shoes.

Ingestion
If swallowed, immediately give 3-4 glasses of water. DO NOT INDUCE VOMITING. If vomiting occurs, give fluids again. Get immediate medical attention. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation
Remove from area to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

Fire Fighting (Pictograms)

5. Fire Fighting Measures

Flash Point: n/a °F
Flammability Class: Not Flammable

Fire And Explosion Hazards
Material is combustable 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.
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.

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**Protective Clothing (Pictograms)**

- [ ]
- [ ]

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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.

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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
10. Stability And Reactivity - Continued

Incompatible Materials
Acids/Agents and Oxidizers/Reducing agents Organic chemicals

Hazardous Decomposition Products
Bromine gas, Hydrogen Bromide, Hydrogen Chloride

11. Toxicological Information

Eye Effects
eye irritation (rabbit) : Severe irritant and corrosive

Skin Effects
skin irritation (rabbit - Draize test) : Corrosive to both abraded and unabraded skin
skin corrosivity (rabbit - US DOT test) : Not corrosive

Acute Oral Effects
oral LD50 (rat) : 468-477 mg/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 irreversible damage.
Inhalation can cause severe irritation of nose, throat, and lungs

12. Ecological Information

Acute Toxicity - Fish And Invertebrates
LC50 (rainbow trout - 96 hours) : 0.5 mg/L
LC50 (bluegill sunfish - 96 hours) : 1.2 mg/L
LC50 (Daphnia magna - 48 hours) : 0.4 mg/L
LC50 (mysid shrimp - 96 hours) : 0.93 mg/L
LC50 (sheepshead minnow - 96 hours) : 1.4 mg/L (as Br2)
LC50 (eastern oysters - 96 hours) : 0.84 mg/L (as Br2)

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. (BROMO CHLORO-5, 5-DIMETHYLHYDANTOIN)

Hazard Class
5.1, 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,
Leisure Time Brom Tabs

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW
This MSDS Superceeds A Previous MSDS Dated: 07/26/2000

Disclaimer

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