# Material Safety Data Sheet

## Leisure Time Instant Cartridge Clean

### 1. Product And Company Identification

**Supplier**
Leisure Time  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA 30004 United States

**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](http://www.poolspacare.com)

**CHEMTREC - DAY OR NIGHT:** (800) 424-9300

### 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-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID</td>
<td>2809-21-4</td>
<td></td>
</tr>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>111-76-2</td>
<td></td>
</tr>
<tr>
<td>CITRIC ACID</td>
<td>77-92-9</td>
<td></td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl),alpha-(nonlyphenyl-omega-hydroxy)-</td>
<td>9016-45-9</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

**Primary Routes(s) Of Entry**
- Skin Contact

**Eye Hazards**
- May cause eye burns and tissue damage.

**Skin Hazards**
- May cause skin damage.

**Ingestion Hazards**
- If ingested, get immediate medical attention

**Inhalation Hazards**
- Causes respiratory tract irritation.

**Signs And Symptoms**
- Irritation of Eyes and Respiratory Passages
# Leisure Time Instant Cartridge Clean

## 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 of 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.

## 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.

## 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.
### 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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXYETHANOL</td>
<td>ACGIH TLV-TWA 20 ppm (Skin)</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL-TWA 50 ppm (Skin)</td>
</tr>
</tbody>
</table>

### 9. Physical And Chemical Properties

#### Appearance
Purple liquid

#### Odor
Detergent

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Type:</td>
<td>Mixture</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>n/a °F</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>215 °F</td>
</tr>
<tr>
<td>Specific Gravity:</td>
<td>1.138</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>NOT DETERMINED</td>
</tr>
<tr>
<td>Percent Volitales:</td>
<td>NOT DETERMINED</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>17</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>0.6</td>
</tr>
<tr>
<td>pH Factor:</td>
<td>1-3</td>
</tr>
<tr>
<td>Solubility:</td>
<td>SOLUBLE IN WATER</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>16.0</td>
</tr>
<tr>
<td>Corrosive</td>
<td></td>
</tr>
</tbody>
</table>

### 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

#### 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, Acidic, Organic, N.O.S. (1-Hydroxyethylidene-1,1-Diphosphonic Acid)

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

**DOT Identification Number**
- UN3265

**Additional Shipping Paper Description**
- Not regulated by DOT for ground shipments [see exception for material corrosive to steel/aluminum 49CFR 173.154(d)].

15. Regulatory Information

**SARA Title III - Section 313 Supplier Notification**
- This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

2-BUTOXYETHANOL (111-76-2) %

This information must be included on all MSDSs that are copied and distributed for this material.

**Ingredient(s) - U.S. Regulatory Information**
- 2-BUTOXYETHANOL
  - SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**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

16. Other Information

No Data Available...
**16. Other Information - Continued**

**Revision/Preparer Information**
MSDS Preparer: JHW  
This MSDS Supercedes A Previous MSDS Dated: 07/22/2003

**Disclaimer**

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Leisure Time