

## MATERIAL SAFETY DATA SHEET



## GLB TLC

1. Product And Company Identification			
<b>Supplier</b> GLB 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: 04/01/2005 Product Name: GLB TLC CAS Number: Not Established Chemical Family: Acid Mixture Chemical Formula: Proprietary MSDS Number: 19 Product Code: Proprietary			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
Bis(2-hydroxyethyl)tallowammonium ethanoate	70750-46-8		
HYDROCHLORIC ACID	7647-01-0		
PHOSPHORICACID	7664-38-2		
SULFURIC ACID	7664-93-9		
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).			
Hazards Identification (Pictograms)			
3. Hazards Identification			
<b>Primary Route(s) Of Entry</b> Eye Contact, Skin Contact <b>Eye Hazards</b> Causes severe eye burns. <b>Skin Hazards</b> Causes severe skin burns.			

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<b>3. Hazards Identification - Continued</b>
<p><b><u>Ingestion Hazards</u></b> Corrosive to living tissue.</p> <p><b><u>Inhalation Hazards</u></b> May cause severe allergic respiratory reaction.</p> <p><b><u>Signs And Symptoms</u></b> Irritation of Eyes, Skin and Respiratory Passages</p>

<p><b><u>First Aid (Pictograms)</u></b></p> 
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<b>4. First Aid Measures</b>
<p><b><u>Eye</u></b> In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician or a poison control center immediately.</p> <p><b><u>Skin</u></b> Rinse the affected area with tepid water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.</p> <p><b><u>Ingestion</u></b> DO NOT INDUCE VOMITING. Drink large amounts of water. Contact a physician or poison control.</p> <p><b><u>Inhalation</u></b> If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician or a poison control center immediately.</p>

<p><b><u>Fire Fighting (Pictograms)</u></b></p> 
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<b>5. Fire Fighting Measures</b>
<p><b>Flash Point:</b> N/A °F</p> <p><b><u>Extinguishing Media</u></b> Use the appropriate extinguishing media for the surrounding fire.</p> <p><b><u>Fire Fighting Instructions</u></b> Water can be used to cool and protect exposed material. Firefighters should wear self-contained breathing apparatus and full protective gear.</p>

<b>6. Accidental Release Measures</b>
<p>Neutralize spill area with soda ash or lime. Flood with water. Use appropriate containers to avoid environmental contamination. Use appropriate personal protective equipment (PPE).</p>

<b>7. Handling And Storage</b>
<p><b><u>Handling And Storage Precautions</u></b> Keep out of reach of children. Do not store with alkalis.</p>

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**7. Handling And Storage - Continued****Handling Precautions**

Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling.

**Storage Precautions**

Avoid contact with Alkalis, Amines, and Metals. Keep out of reach of children.

**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 recommended.

**Skin Protection**

Chemical-resistant gloves.

**Respiratory Protection**

None normally required.

**Ingredient(s) - Exposure Limits**

Bis(2-hydroxyethyl)tallowammonium ethanoate

NOT ESTABLISHED

HYDROCHLORIC ACID

ACGIH TLV-CEILING 5 ppm

OSHA PEL-CEILING 5 ppm

PHOSPHORIC ACID

ACGIH TLV-STEL 3 mg/m<sup>3</sup>

ACGIH TLV-TWA 1 mg/m<sup>3</sup>

OSHA PEL-TWA 1 mg/m<sup>3</sup>

SULFURIC ACID

ACGIH TLV-STEL 3 mg/m<sup>3</sup>

ACGIH TLV-TWA 1 mg/m<sup>3</sup>

OSHA PEL-TWA 1 mg/m<sup>3</sup>

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

Pale amber liquid

**Odor**

Mild

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** n/a °F

**Boiling Point:** 212 °F

**Specific Gravity:** 1.1-1.2

**Percent Volitales:** NOT DETERMINED

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**9. Physical And Chemical Properties - Continued****Odor - Continued****Packing Density:** NOT DETERMINED**Vapor Pressure:** NOT DETERMINED**Vapor Density:** >1**pH Factor:** 0-2**Solubility:** Soluble in Water**Viscosity:** NOT DETERMINED**Evaporation Rate:** <1**10. Stability And Reactivity****Stability:** Stable**Hazardous Polymerization:** Will not occur**Conditions To Avoid (Stability)**

Avoid contact with strong Amines, Alkalis, and Metals. Heat can cause hydrogen chloride.

**Incompatible Materials**

Alkalis, Amines and Metals

**Hazardous Decomposition Products**

Hydrogen Chloride

**11. Toxicological Information****Ingredient(s) - Carginogenicity**

SULFURIC ACID

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

**12. Ecological Information**

No Data Available...

**13. Disposal Considerations**

Refer to applicable federal, state, and local regulations prior to disposition of container and residual contents.

**14. Transport Information****Proper Shipping Name**

Corrosive Liquid, Acidic, Inorganic, N.O.S. (Hydrochloric and Sulfuric Acids)

**Hazard Class**

8, PGII (&lt;1L Consumer Commodity ORM-D)

**DOT Identification Number**

UN3264

**DOT (Pictograms)****15. Regulatory Information****Ingredient(s) - U.S. Regulatory Information**

HYDROCHLORIC ACID

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA - Acute Health Hazard

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**15. Regulatory Information - Continued**

**Ingredient(s) - U.S. Regulatory Information - Continued**  
 SULFURIC ACID  
 SARA Title III - EPA Part 355 Extremely Hazardous Substance  
 SARA Title III - Section 313 Form "R"/TRI Reportable Chemical  
 SARA - Acute Health Hazard  
 SARA - Chronic Health Hazard  
 SARA - Fire Hazard  
 SARA - Reactivity Hazard

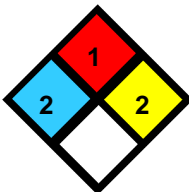
**Ingredient(s) - State Regulations**  
 HYDROCHLORIC ACID  
 New Jersey - Workplace Hazard  
 New Jersey - Environmental Hazard  
 New Jersey - Special Hazard  
 New Jersey - TCPA Extraordinarily Hazardous Substance  
 Pennsylvania - Workplace Hazard  
 Pennsylvania - Environmental Hazard  
 Massachusetts - Hazardous Substance  
 New York City - Hazardous Substance

SULFURIC ACID  
 New Jersey - Workplace Hazard  
 New Jersey - Environmental Hazard  
 New Jersey - Special Hazard  
 Pennsylvania - Workplace Hazard  
 Pennsylvania - Environmental Hazard  
 California - CalARP Table 3 Regulated Substance  
 Massachusetts - Hazardous Substance  
 New York City - Hazardous Substance

**Canadian Regulatory Information**  
 Class D, Div 1a - Poisonous or Infectious Material: immediate and serious toxic effects  
 Class D, Div 2a - Poisonous or Infectious Material: other toxic effects  
 Class D, Div 2b - Poisonous or Infectious Material: other toxic effects  
 Class E - Corrosive Material

**WHMIS - Canada (Pictograms)**



<b>NFPA</b>	<b>HMIS</b>								
	<table border="1"> <tr> <td>HEALTH</td> <td style="text-align: center;">3</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table>	HEALTH	3	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	C
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FLAMMABILITY	0								
REACTIVITY	1								
PERSONAL PROTECTION	C								

**16. Other Information**

**Revision/Preparer Information**  
 MSDS Preparer: JHW

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**GLB**

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