

## MATERIAL SAFETY DATA SHEET



## GLB Sticks

1. Product And Company Identification			
<b>Supplier</b> <b>GLB</b> 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> <b>Advantis Technologies, Inc.</b> 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> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>		<b>Manufacturer Emergency Contacts &amp; Phone Number</b> <b>CHEMTREC - DAY OR NIGHT: (800) 424-9300</b>	
Issue Date: 03/29/2006 Product Name: GLB Sticks Chemical Name: Trichloro-s-Triazine-Trione CAS Number: Not Established Chemical Family: Chlorinated Isocyanurates Chemical Formula: C3N3O3Cl3 MSDS Number: 52			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
TRICHLOROISOCYANURICACID		87-90-1	
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).			
EMERGENCY OVERVIEW			
White granular solid or tablet-form product Oxidizer Corrosive to eyes, skin and mucous membranes. Harmful by inhalation and if swallowed.			
3. Hazards Identification			
<b>Primary Routes(s) Of Entry</b> Skin Contact, Inhalation			
<b>Eye Hazards</b> Irritant, severe eye.			
<b>Skin Hazards</b> Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling, and scab formation.			
<b>Ingestion Hazards</b> Irritation and/or burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Ingestion causes			

**MATERIAL SAFETY DATA SHEET****GLB Sticks****3. Hazards Identification - Continued****Ingestion Hazards - Continued**

severe damage to the gastrointestinal tract with the potential to cause perforation.

**Inhalation Hazards**

Causes respiratory tract irritation.

**Signs And Symptoms**

Irritation of Eyes and Respiratory Passages

**Conditions Aggravated By Exposure**

Asthma, Respiratory and Cardiovascular Disease

**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 20 minutes. Get medical attention immediately.

**Skin**

In case of contact, immediately flush skin with plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

**Ingestion**

Drink large amounts of water. Avoid Alcohol. Do not induce vomiting. Contact a physician or poison control.

**Inhalation**

If inhaled, remove to fresh air.

**Note To Physician**

Corrosive

In case of ingestion DO NOT induce vomiting. No specific antidote. Treat symptomatically and supportively.

**Fire Fighting (Pictograms)****5. Fire Fighting Measures**

Flash Point: n/a °F

Flammability Class: NOT FLAMMABLE

**Fire And Explosion Hazards**

SMALL QUANTITIES OF WATER WILL REACT WITH THIS PRODUCT TO FORM HAZARDOUS AMOUNTS OF NITROGEN TRICHLORIDE(VIOLENT EXPLOSIVE)

**Extinguishing Media**

In case of fire, soak (flood) with water. CAUTION DO NOT USE DRY CHEMICAL CONTAINING AMMONIA COMPOUNDS

**Fire Fighting Instructions**

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

**MATERIAL SAFETY DATA SHEET****GLB Sticks****5. Fire Fighting Measures - Continued****Fire Fighting Instructions - Continued****6. Accidental Release Measures**

Clean up spill immediately. Complete cleanup on dry basis if possible. Use appropriate personal protective equipment (PPE). Use appropriate containers to avoid environmental contamination. Spills greater than 100 pounds constitute a reportable quantity by the US EPA

**Handling & Storage (Pictograms)****7. Handling And Storage****Handling And Storage Precautions**

**Keep out of reach of children.** Store material in a cool and dry place. Do not reuse container

**Storage Precautions**

Keep out of reach of children. Store in a cool dry place. Do not Reuse container. Keep away from other types of chlorinating compounds and organic material. **KEEP AWAY FROM AMMONIA AND AMMONIA COMPOUNDS.** Do not store above 60C/140F.

**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**

When dusty conditions are encountered, wear a NIOSH/OSHA full-face respirator with chlorine cartridges for protection against chlorine gas and dust/mist pre-filter.

Wear Long Sleeves

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

White tablet or stick

**Odor**

Chlorine

**MATERIAL SAFETY DATA SHEET****GLB Sticks****9. Physical And Chemical Properties - Continued****Odor - Continued**

Chemical Type: Mixture

Physical State: Solid

Melting Point: Not applicable °F

Boiling Point: Not applicable °F

Specific Gravity: &gt;1

Molecular Weight: NOT DETERMINED

Vapor Pressure: Not applicable

Vapor Density: Not applicable

pH Factor: 2.7-2.9 At a Concentration Of 1% solution

Evaporation Rate: Not Applicable

**10. Stability And Reactivity**

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

**Conditions To Avoid (Stability)**

THERMAL DECOMPOSITION MAY PRODUCE CHLORINE AND OTHER TOXIC GASES

**Incompatible Materials**

Reducing agents and Oxidizers, Nitrogen containing compounds, Calcium hypochlorite, Alkalies, Acids, Bases

**Hazardous Decomposition Products**

Chlorine gas

**Conditions To Avoid (Polymerization)**

Water on product while in container. Humidity

**11. Toxicological Information****Eye Effects**

Corrosive

**Skin Effects**

Corrosive

**Acute Oral Effects**

Rat Oral LD50: 490 mg/kg

**Acute Inhalation Effects**

Rat inhalation: Approx. 0.68 mg/l/4 hour - (nose only)

**Chronic/Carcinogenicity**

Not known to be a carcinogen.

Not classified by IARC, OSHA, EPA.

Not included in NTP 10th Report on Carcinogens.

**Reproductive Effects**

There are no known or reported effects on reproductive function or fetal development. Toxicological investigation indicates it does not effect reproductive function of fetal development.

**Mutagenicity (Genetic Effects)**

Not mutagenic in five Salmonella strains and one E.coli strain with or without mammalian microsomal activation.

**12. Ecological Information****Acute Toxicity - Fish And Invertebrates**

96 hour-LC50, Fish: 0.32 mg/l (Rainbow trout)

0.30 mg/l (bluegill sunfish)

**MATERIAL SAFETY DATA SHEET****GLB Sticks****12. Ecological Information - Continued****Acute Toxicity - Fish And Invertebrates - Continued**

96 hour-LC50, Daphnia magna: 0.21 mg/l

**Acute And Dietary Toxicity - Birds**

Oral LD50, Mallard duck: 1600 mg/kg

Dietary LC50, Mallard duck: &gt;10,000 ppm

Dietary LC50, Bobwhite quail: 7422 ppm

**13. Disposal Considerations**

Refer to applicable local, state and federal regulations as well as industry standards.

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

TRICHLOROISOCYANURIC ACID DRY

**Hazard Class**

5.1, PG II (&lt;=1kg Consumer Commodity ORM-D)

**DOT Identification Number**

UN2468

**15. Regulatory Information****Canadian Regulatory Information**

Class C - Oxidizing Material

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

**NFPA****HMIS**

HEALTH	3
FLAMMABILITY	0
REACTIVITY	2
PERSONAL PROTECTION	B

**16. Other Information****Revision/Preparer Information**

MSDS Preparer: JHW

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

**Disclaimer**

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GLB