



MATERIAL SAFETY DATA SHEET

Leisure Time Control

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: 02/11/2005 Product Name: Leisure Time Control Chemical Family: Sequestering agent Chemical Formula: Proprietary Mixture MSDS Number: 335			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONICACID	2809-21-4		
Polydimethylallylammonium Chloride	26062-79-3		
Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 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 Corrosive to eyes. Inflammation of the eye is characterized by redness, watering, and itching.			
Skin Hazards Hazardous in case of skin contact (irritant). Non-corrosive to skin. Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or occasionally, blistering.			
Ingestion Hazards Ingestion is not expected to be a primary route of exposure. If ingested, get immediate medical attention.			
Inhalation Hazards May be harmful if inhaled. Effects will depend on concentration and length of time of exposure.			
Signs And Symptoms Irritation of eyes and respiratory passages.			
Conditions Aggravated By Exposure May aggravate anemia. May decrease affinity of hemoglobin for oxygen.			

Leisure Time Control

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. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

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

Inhalation

If inhaled, remove to fresh air. Consult a physician. If breathing is difficult, give oxygen.

Note To Physician

May aggravate anemia. May decrease affinity of oxygen for hemoglobin.

5. Fire Fighting Measures

Flash Point: n/a °F

Extinguishing Media

Use carbon dioxide, foam, nitrogen, or dry chemical.

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). Use appropriate containers to avoid environmental contamination.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling Precautions

Rubber gloves, safety glasses or goggles, and protective clothing are recommended.

Storage Precautions

Store in a cool dry place. Store away from oxidizers and bases. Store in sealed containers. Keep out of reach of children.

Work/Hygienic Practices

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

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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.

9. Physical And Chemical Properties

Appearance

Milky white liquid

Odor

Mild

Chemical Type: Mixture

Physical State: Liquid

Specific Gravity: 1.04

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: NOT DETERMINED

pH Factor: 1.6

Evaporation Rate: NOT DETERMINED

Corrosive

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

Avoid contact with strong acids and alkalis and contact with metal salts of sulfides and sulfites, strong oxidizers and amines.

Incompatible Materials

Avoid contact with strong acids and alkalis and contact with metal salts of sulfides and sulfites, strong oxidizers and amines.

Hazardous Decomposition Products

Acids and oxides of phosphorous may form. Oxides of carbon, nitrogen, and silicone may also be formed.


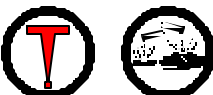

11. Toxicological Information

Conditions Aggravated By Overexposure

May aggravate anemia.

Not tested for toxicological information.

Leisure Time Control

12. Ecological Information									
Not tested for ecological information.									
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. (Contains 1-Hydroxyethylidene-1,1-diphosphonic Acid)									
Hazard Class 8,PGIII (<=4L Consumer Commodity ORM-D)									
DOT Identification Number UN3265									
DOT (Pictograms)									
									
15. Regulatory Information									
Canadian Regulatory Information Class D, Div 2b - Poisonous of Infectious Material: other toxic effects Class E - Corrosive Material									
WHMIS - Canada (Pictograms)									
									
NFPA	HMIS								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00b0f0; color: white;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #ff0000; color: white;">FLAMMABILITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #ffff00;">REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">D</td> </tr> </table>	HEALTH	2	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	D
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16. Other Information									
Revision/Preparer Information MSDS Preparer: JHW									
Disclaimer									
<p>Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).</p> <p>Leisure Time</p>									