



MATERIAL SAFETY DATA SHEET

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Leisure Time Bright & Clear

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: 09/01/2004 Product Name: Leisure Time Bright & Clear Chemical Name: Cationic Polyamide in water Chemical Formula: Proprietary MSDS Number: 329			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
Polydimethyldiallylammoniumchloride	26062-79-3		
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 irritation. Skin Hazards May cause skin irritation. Non-sensitizer for skin. Ingestion Hazards Harmful if swallowed. Inhalation Hazards Slightly hazardous in case of inhalation. Signs And Symptoms Irritant to eyes and skin			
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. Skin Remove contaminated clothing and shoes. Rinse the affected area with tepid water for at least 15 minutes.			

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Leisure Time Bright & Clear**4. First Aid Measures - Continued****Ingestion**

DO NOT INDUCE VOMITING. Drink large amounts of water or milk. Contact a physician or poison control. In cases where individual is semi-comatose, comatose, or convulsing, DO NOT GIVE FLUIDS BY MOUTH.

Inhalation

If inhaled, remove to fresh air.

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

Flash Point: >100 °C

Flash Point Method: Closed Cup

Flammability Class: NOT FLAMMABLE

Fire And Explosion Hazards

In a fire situation, may liberate oxides of nitrogen or carbon, and hydrogen chloride.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

Fire Fighting Instructions

CAUTION Surfaces wet with this product are slippery. Keep containers cool by spraying with water if exposed to fire.

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.

CAUTION Surfaces wet with this product are slippery.

7. Handling And Storage**Handling And Storage Precautions**

Keep out of reach of children. Store material in a cool and dry place. Wash thoroughly after handling.

Storage Precautions

Avoid contact with skin and clothing.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

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.

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Chemical-resistant gloves.

Respiratory Protection

None normally required.

9. Physical And Chemical Properties**Appearance**

Clear Blue

Odor

Mild amine

Chemical Type: Mixture**Physical State:** Liquid**Melting Point:** NOT APPLICABLE °F**Boiling Point:** 212 °F**Specific Gravity:** 1.0-1.1**Molecular Weight:** Proprietary**Percent Volitales:** NEGLIGIBLE**Packing Density:** NOT DETERMINED**Vapor Pressure:** NOT DETERMINED**Vapor Density:** NOT DETERMINED**pH Factor:** 2-3**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)**

Strong Oxidizers

Incompatible Materials

Avoid contact with strong oxidizers

Hazardous Decomposition Products

When heated toxic fumes such as Oxides of Carbon, Nitrogen and Hydrogen chloride may be present

11. Toxicological Information

No Data Available...

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**

NOT REGULATED

Hazard Class

NONE ASSIGNED

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14. Transport Information - Continued

DOT Identification Number
NONE

15. Regulatory Information

No Data Available...

NFPA	HMIS								
	<table border="1"> <tr> <td style="background-color: #00b0f0;">HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="background-color: #ff0000;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #ffff00;">REACTIVITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">B</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	PERSONAL PROTECTION	B
HEALTH	1								
FLAMMABILITY	0								
REACTIVITY	0								
PERSONAL PROTECTION	B								

16. Other Information

Revision/Preparer Information
MSDS Preparer: JHW
This MSDS Superceeds A Previous MSDS Dated: 09/01/2004

Disclaimer

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Leisure Time