



MATERIAL SAFETY DATA SHEET

Leisure Time Renew

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 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 ACEAN - DAY OR NIGHT: (800) 654-6911

Issue Date: 05/08/2009

Product Name: Leisure Time Renew
Chemical Name: Potassium Monopersulfate
Chemical Family: Peroxygen Salt
Chemical Formula: Proprietary
MSDS Number: 22

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
MAGNESIUM CARBONATE	546-93-0		
POTASSIUM BISULFATE	7646-93-7		
POTASSIUM PEROXYDISULFATE	7727-21-1		
POTASSIUM PEROXYMONOSULFATE	10058-23-8		
POTASSIUM SULFATE	7778-80-5		

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

Danger: Corrosive.

Hazards Identification (Pictograms)



CORROSIVE



OXIDISING

3. Hazards Identification

No Data Available...

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3. Hazards Identification - Continued

Primary Routes(s) Of Entry

Skin Contact

Eye Hazards

Corrosive to eyes. Eye contact may cause corrosion or ulceration. Causes eye damage.

Skin Hazards

Corrosive to skin. Skin contact with aqueous solutions or the dry powder upon contact with moisture or perspiration may cause skin burns or ulceration; temporary body hair loss may occur in contacted areas. Skin contact with the product may cause allergic skin reactions in sensitive individuals.

Ingestion Hazards

May be harmful if swallowed. May cause irritation of the throat. Ingestion may cause inflammation and damage to the lining of the stomach, resulting in bleeding.

Inhalation Hazards

Inhalation may cause nose bleeds and irritation of the upper respiratory passages with coughing and discomfort.

Signs And Symptoms

Irritant to eyes and skin due to oxidizing properties

First Aid (Pictograms)



4. First Aid Measures

Eye

Hold eyelids open and rinse slowly with water for 15-20 minutes. Remove contact lenses if present after 5 minutes then continue rinsing eye. Call poison control center or doctor for treatment advice.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

Call a poison control center immediately for treatment advice. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless directed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Move person to fresh air. If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have product container with you when calling a poison control center or doctor, or when going for treatment. IN CASE OF EMERGENCY CALL: 1-800-654-6911.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

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5. Fire Fighting Measures - Continued

Fire And Explosion Hazards

Improper storage of large masses of this product can trap heat and lead to ignition of combustibles. Grinding or intensive mixing may cause decomposition with liberation of heat and oxygen; ignition of oxidizable material if present may occur.

Extinguishing Media

In case of fire, soak (flood) with water.

Fire Fighting Instructions

Will release oxygen when heated, intensifying a fire. Firefighters should wear self-contained breathing apparatus and full protective gear.

GRINDING OR INTENSIVE MIXING MAY GENERATE SUFFICIENT HEAT TO FUSE PRODUCT AND CAUSE IGNITION OF OXIDIZABLE MATERIAL PRESENT. Contamination with moisture, organic matter or other chemicals may cause a violent reaction leading to fire or liberation of hazardous gases. In case of contamination of decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area. Flood with large amounts of water.

6. Accidental Release Measures

Clean up spill immediately. Flush spill area with water in compliance with State and Federal Regulations.

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. Avoid contact with eyes, skin, and clothing.

Handling Precautions

Avoid breathing dust or vapor. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Wash clothing after use. Wear goggles or face shield and rubber gloves when handling. Use only in swimming pools and spas. Add only when no bathers are present.

Storage Precautions

Keep this product dry and tightly closed in original container. Store in a cool dry well-ventilated place. Do not store with chlorine, bromine or liquid acids. Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

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

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8. Exposure Controls/Personal Protection - Continued

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

The level of respiratory protection needed should be based on the required protection factor after evaluating chemical exposures using appropriate industrial hygiene monitoring and/or OSHA guidance.

9. Physical And Chemical Properties

Appearance

White granules or powder

Odor

None

Chemical Type: Mixture

Physical State: Solid

Melting Point: DECOMPOSES °F

Boiling Point: DECOMPOSES °F

Specific Gravity: 1.2

Molecular Weight: PROPRIETARY

Percent Volitales: NIL

Vapor Pressure: NIL

Vapor Density: NOT VOLATILE

Solubility: >25% AT 20C (68F)

Evaporation Rate: NOT VOLATILE

Corrosive, Oxidizer

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

The mixture of this product with compounds containing halides or active halogens (bromine, chlorine, iodine) can cause the release of the respective halogen gas, if moisture is present. Avoid these gases (bromine and chlorine) because they are very irritating to eyes and lungs even at low concentrations. Never mix concentrated product with dry or concentrated bromine containing chemicals, such as bromates, bromides, or any concentrated bromine pool chemicals. Mixing this product with dry or concentrated chlorine containing chemicals, such as hypochlorites, sodium dichloroisocyanurate, sodium triisocyanurate or with sodium chloride, may cause the release of chlorine gas.

Mixing with cyanides can cause release of hydrogen cyanide gas. Mixing with heavy metal salts such as those of cobalt, nickel, copper, or manganese can cause decomposition with release of oxygen and heat.

Incompatible Materials

Alkalis, Heavy Metals cause evolution of Oxygen gas. Halogens and cyanides can cause release of gases of these compounds.

Hazardous Decomposition Products

Oxygen

Never add water to product. Always add product to large quantities of water, using clean, dry utensils. Do not mix with other chemicals. Do not add to any chemical feeder. Do not add this product to any dispensing device containing remnants of any other product. Contamination with moisture, organic matter or other chemicals may cause a violent reaction leading to fire or liberation of hazardous gases. In case of contamination of decomposition, do not reseal

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10. Stability And Reactivity - Continued

Hazardous Decomposition Products - Continued

container. If possible, isolate container in open air or well-ventilated area. Flood with large amounts of water.

11. Toxicological Information

Acute Studies

This product is a severe skin and eye irritant, but is not a skin sensitizer in animals.

Skin Effects

Skin absorption LD50: >11,000 mg/kg in rabbits

Acute Oral Effects

Oral LD50: 200 - 2000 mg/kg in rats

Acute Inhalation Effects

Inhalation 4 hour LC50: >5 mg/L in rats

12. Ecological Information

Acute Toxicity - Fish And Invertebrates

96 hour LC50 - Rainbow trout: 53 mg/L

48 hour EC 50 - Daphnia magna: 3.5 mg/L

13. Disposal Considerations

Do not reuse empty container. Triple rinse, the offer for recycling or dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Monopersulfate Compound)

Hazard Class

8, PGII (<=1kg Consumer Commodity ORM-D)

DOT Identification Number

UN3260

DOT (Pictograms)



15. Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Canadian Regulatory Information

Class D, Div 2b - Toxic Material. Skin or Eye Irritant

Class E - Corrosive Material

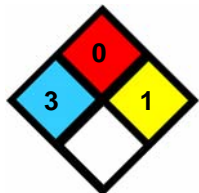
Class C - Oxidizing Material

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WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	E

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

Disclaimer

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Leisure Time