



MATERIAL SAFETY DATA SHEET

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Leisure Time Boost

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: 01/13/2005 Product Name: Leisure Time Boost MSDS Number: 334	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
HYDROGENPEROXIDE	7722-84-1		
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	
-Clear, colorless, odorless liquid -Weak oxidizing agent that is stable under normal conditions. -Sensitive to contamination. -Decomposes yielding oxygen that supports combustion of organic matters and can cause overpressure if confined.	

3. Hazards Identification
Eye Hazards Minimally irritating to the eyes.
Skin Hazards Mildly irritating to skin.

4. First Aid Measures
Eye Flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
Skin Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.
Ingestion Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. See a medical doctor immediately.
Inhalation If inhaled, remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

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4. First Aid Measures - Continued

Note To Physician

Direct contact may be minimally irritating. Treatment is by dilution and is symptomatic and supportive.

5. Fire Fighting Measures

Fire And Explosion Hazards

Product is non-combustible. On decomposition releases oxygen which may intensify fire.

Extinguishing Media

Flood with water.

Fire Fighting Instructions

Any tank or container surrounded by fire should be flooded with water for cooling. Wear full protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures

Dilute with a large volume of water and hold in a pond or diked area until hydrogen peroxide decomposes. Dispose according to methods outlined for waste disposal.

Combustible materials exposed to hydrogen peroxide should be immediately submerged in or rinsed with large amounts of water to ensure that all hydrogen peroxide is removed. Residual hydrogen peroxide that is allowed to dry (upon evaporation hydrogen peroxide can concentrate) on organic materials such as paper, fabrics, cotton, leather, wood, or other combustibles can cause the material to ignite and result in a fire.

7. Handling And Storage

Handling And Storage Precautions

Ventilation: Provide mechanical and/or local exhaust ventilation to prevent release of vapor or mist into the work environment.

Handling Precautions

Wear chemical splash-type monogoggles and full-face shield, impervious clothing, such as rubber, PVC, etc., and rubber or neoprene gloves and shoes. Avoid cotton, wool, and leather. Avoid excessive heat and contamination. Contamination may cause decomposition and generation of oxygen gas which could result in high pressures and possible container rupture. Hydrogen peroxide should be stored only in vented containers and transferred only in a prescribed manner. Never return unused hydrogen peroxide to original container, empty drums should be triple rinsed with water before discarding. Utensils used for handling hydrogen peroxide should only be made of glass, stainless steel, aluminum or plastic.

Storage Precautions

Store drums in cool areas out of direct sunlight and away from combustibles.

8. Exposure Controls/Personal Protection

Engineering Controls

Ventilation should be provided to minimize the release of hydrogen peroxide vapors and mists into the work environment. Spills should be minimized or confined immediately to prevent release into the work area. Remove contaminated clothing immediately and wash before reuse.

Eye/Face Protection

Use chemical splash-type monogoggles if splashing is expected during handling of product.

Skin Protection

Rubber or neoprene footwear (avoid leather). Impervious clothing materials such as rubber, neoprene, nitrile or polyvinyl chloride (avoid cotton, wool, and leather). Completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire.

Wear liquid proof rubber or neoprene gloves. Thoroughly rinse the outside of gloves with water prior to removal.

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8. Exposure Controls/Personal Protection - Continued

Skin Protection - Continued

Inspect regularly for leaks.

Respiratory Protection

If concentrations in excess of 10 ppm are expected, use NIOSH/DHHS approved self-contained breathing apparatus (SCBA), or other approved atmospheric-supplied respirator (ASR) equipment (e.g., a full-face airline respirator (ALR)). DO NOT use any form of air-purifying respirator (APR) or filtering facepiece (AKA dust mask), especially those containing oxidizable sorbants such as activated carbon.

9. Physical And Chemical Properties

Appearance

Clear, colorless liquid

Odor

Odorless

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 214 °F 101 °C

Specific Gravity: 1.01

Percent Volitales: 100

Vapor Pressure: 31 mm Hg @30C

pH Factor: 2.5-3.5

Solubility: 100% in water

Evaporation Rate: Above 1 (Butyl Acetate = 1)

Data above are for 5% hydrogen peroxide.

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Excessive heat or contamination could cause product to become unstable.

Incompatible Materials

Reducing agents, iron and other heavy metals, galvanized iron, copper alloys and caustic.

Hazardous Decomposition Products

Oxygen which supports combustion.

Materials to avoid: Dirt, organics and combustibles.

11. Toxicological Information

Eye Effects

5% hydrogen peroxide: Minimally irritating (rabbit)

Skin Effects

10% hydrogen peroxide: Mildly irritating after 4-hour exposure (rabbit)

Dermal LD50: 35% hydrogen peroxide: >2000 mg/kg (rabbit)

Acute Oral Effects

Oral LD50: 10% hydrogen peroxide: >5000 mg/kg (rat)

Acute Inhalation Effects

Inhalation LD50: 50% hydrogen peroxide: >0.17 mg/l (rat)

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11. Toxicological Information - Continued

Chronic/Carcinogenicity

The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a "Confirmed Animal Carcinogen with Unknown Relevance to Humans".

Not listed as a carcinogen by ITP or OSHA.

12. Ecological Information

Ecotoxicological Information

Channel catfish 96-hour LC50 = 37.4 mg/l
Fathead minnow 96-hour LC50 = 16.4 mg/l
Daphnia magna 24-hour EC50 = 7.7 mg/l
Daphnia pulex 48-hour LC50 = 2.4 mg/l
Freshwater snail 96-hour LC50 = 17.7 mg/l

Environmental Fate Information

Hydrogen peroxide in the aquatic environment is subject to various reduction or oxidation processes and decomposes into water and oxygen. Degrades in the atmosphere within the light spectrum with hydroxyl radicals in the gas phase and subsequent photolysis.

13. Disposal Considerations

An acceptable method of disposal is to dilute with a large amount of water and allow the hydrogen peroxide to decompose followed by discharge into a suitable treatment system in accordance with all regulatory agencies. The appropriate regulatory agencies should be contacted prior to disposal. Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

Not regulated

Hazard Class

Not regulated

DOT Identification Number

NONE

15. Regulatory Information

U.S. Regulatory Information

SARA Title III (Superfund Amendments and Reauthorization Act)

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):

Not listed

Section 311 Hazard Categories (40 CFR 370):

Not applicable

Section 312 Threshold Planning Quantity (40 CFR 370):

The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs:
None, (conc. <52%)

CERCLA (Comprehensive Environmental Response Compensation and Liability Act)

CERCLA Designation & Reportable Quantities (RQ) (40 CFR 302.4):

Not listed

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15. Regulatory Information - Continued

U.S. Regulatory Information - Continued

TSCA (Toxic Substance Control Act)

TSCA Inventory Status (40 CFR 710):

Listed

SARA Section 313 Notification

Not listed

Canadian Regulatory Information

WHMIS (Workplace Hazardous Materials Information System):

Product Identification Number: None
Hazard Classification / Division: None
Ingredient Disclosure List: Not listed

European Union (EU) Regulatory Information

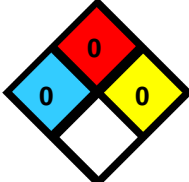
EU EINECS Numbers:

008-003-00-9 (hydrogen peroxide)

Other International Regulations

International Listings:

Hydrogen peroxide:
China: Listed
Japan (ENCS): (1)-419
Korea: KE-20204
Philippines (PICCS): Listed

NFPA	HMIS								
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16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

Disclaimer

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Leisure Time