

MATERIAL SAFETY DATA SHEET



GLB Instant Cartridge Cleaner

1. Product And Company Identification			
Supplier GLB 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: 04/17/2001 Product Name: GLB Instant Cartridge Cleaner CAS Number: Not Established Chemical Formula: Proprietary Mixture MSDS Number: 12			
2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
2-BUTOXYETHANOL	111-76-2		
CITRIC ACID	77-92-9		
Hydroxyethanediphosphoric Acid	111-76-2		
Poly(oxy-1,2-ethanediyl), alpha-(nonlyphenyl-omega-hydroxy)-	9016-45-9		
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 Causes irreversible eye damage. Skin Hazards Causes skin irritation. Ingestion Hazards If ingested, get immediate medical attention Inhalation Hazards Causes respiratory tract irritation. Signs And Symptoms Irritation of Eyes and Respiratory Passages			

MATERIAL SAFETY DATA SHEET**GLB Instant Cartridge Cleaner****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

Give Milk, Egg Whites or Baking Soda Immediately. Drink large amounts of water. Contact a physician or poison control.

Inhalation

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

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

Flash Point: <150 °F

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

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). Flush spill area with water. Use appropriate containers to avoid environmental contamination.

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.

Work/Hygienic Practices

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

MATERIAL SAFETY DATA SHEET**GLB Instant Cartridge Cleaner****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.

Ingredient(s) - Exposure Limits

2-BUTOXYETHANOL

ACGIH TLV-TWA 20 ppm (Skin)

OSHA PEL-TWA 50 ppm (Skin)

9. Physical And Chemical Properties**Appearance**

Clear liquid

Odor

Detergent

Chemical Type: Mixture

Physical State: Liquid

Melting Point: n/a °F

Boiling Point: 215 °F

Specific Gravity: 1.138

Molecular Weight: NOT DETERMINED

Percent Volitales: NOT DETERMINED

Vapor Pressure: 17

Vapor Density: 0.6

pH Factor: 1-3

Solubility: SOLUBLE IN WATER

Evaporation Rate: 16.0

Corrosive

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

Avoid contact with strong acids and alkalis

Incompatible Materials

Acids and Alkalis

MATERIAL SAFETY DATA SHEET**GLB Instant Cartridge Cleaner****10. Stability And Reactivity - Continued****Hazardous Decomposition Products**

Oxides of carbon, nitrogen, aldehydes, ketones

11. Toxicological Information**Acute Studies**

Concentrated product corrosive to skin and mucous membranes

12. Ecological Information

No Data Available...

13. Disposal Considerations

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

14. Transport Information**Proper Shipping Name**

CORROSIVE LIQUID, N.O.S. (Contains Hydroxyethanediphosphonic Acid)

Hazard Class

8, PGIII (<=4L Consumer Commodity ORM-D)

DOT Identification Number

UN3265

DOT (Pictograms)**15. Regulatory Information****Ingredient(s) - U.S. Regulatory Information**

2-BUTOXYETHANOL

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA - Acute Health Hazard

SARA - Chronic Health Hazard

SARA - Fire Hazard

Ingredient(s) - State Regulations

2-BUTOXYETHANOL

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

Canadian Regulatory Information

Class B - Combustible or Flammable Material,

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

Class E - Corrosive Material

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WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	C

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW3

Disclaimer

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GLB