



MATERIAL SAFETY DATA SHEET

GLB pH Down

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 1400 Bluegrass Lakes Parkway Alpharetta, GA 30004 United States Telephone Number: (770) 521-5999 FAX Number: (770) 521-5959 Web Site: www.poolspacare.com
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Supplier Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911	Manufacturer Emergency Contacts & Phone Number CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911
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Issue Date: 05/28/2009

Product Name: GLB pH Down
Chemical Name: Sodium bisulfate
Chemical Family: pH reducer
Chemical Formula: Proprietary Mixture
MSDS Number: 23

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
SODIUM BISULFATE	7681-38-1	
SODIUM SULFATE	7757-82-6	

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; Poison

Keep Out Of Reach Of Children

Hazards Identification (Pictograms)



3. Hazards Identification

Eye Hazards
 Causes eye burns. Causes permanent eye damage.

Skin Hazards
 Causes skin burns.

GLB pH Down

3. Hazards Identification - Continued

Ingestion Hazards

May irritate or burn mouth, esophagus, or stomach. Poisonous if ingested. May be fatal if swallowed.

Inhalation Hazards

Irritant. May irritate or burn nose, throat, and lungs. May be fatal if inhaled.

Chronic/Carcinogenicity Effects

Not listed as a carcinogen by NTP, IARC, or OSHA.

Signs And Symptoms

Irritation of Eyes, Skin and Respiratory Passages

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

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Fire And Explosion Hazards

At temperatures over 806F, product will decompose, generating oxides of sulfur.

Product readily dissolves in water to form a weak sulfuric acid solution. No gases or toxic fumes are emitted from this reaction, but precautions for exposure to sulfuric acid should be followed.

Extinguishing Media

Water or dry chemical as appropriate for combustibles in area. Avoid water contact to material if possible.

GLB pH Down

5. Fire Fighting Measures - Continued

Fire Fighting Instructions

If water is used to extinguish combustibles and product is dissolved in water forming sulfuric acid, wear acid protective equipment. If elevated temperatures (>806F) are reached, self-contained breathing apparatus should be worn.

6. Accidental Release Measures

Small Spills: Material is granular product and can be swept up from surfaces.

Large Spills: Pick up as much material as possible with shovel or other tool. Neutralize balance of spill with weak alkaline solution and wash down to sewer if federal, state, or local regulations permit.

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. Keep containers tightly closed.

Handling Precautions

Avoid contact with skin, eyes, or clothing. Wear goggles or face shield and rubber gloves when handling. Do not inhale or swallow. Do not mix with other chemicals. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

Storage Precautions

Keep dry and in original container. Store in a tightly closed container in a cool, dry well-ventilated place. Do not store with chlorine, bromine, or oxidizing agents. Keep container tightly closed when not in use. Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

Work/Hygienic Practices

Avoid contact with skin, eyes or clothing. Wear all recommended protective equipment when handling. Avoid contact with eyes. Solutions of this material are acidic and strongly irritating. Will attack most metals.

Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local ventilation to a dust collector is recommended.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves such as neoprene or rubber. Clothes should completely cover skin to avoid skin contact. Coats, coveralls, or aprons are recommended.

Respiratory Protection

NIOSH or MSA certified dust mask should be worn while handling product to control exposure below nuisance dust limits of 10 mg/m3.

GLB pH Down

9. Physical And Chemical Properties

Appearance

Off white bead-like granular dry material.

Odor

Bland odor

Chemical Type: Mixture

Physical State: Solid

Melting Point: 350 °F

Specific Gravity: n/a

Percent Volitales: Non-Volatile

Packing Density: 83 lb/cu.ft

Solubility: SOLUBLE

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions To Avoid (Stability)

Store in a dry area to avoid moisture contact.

Incompatible Materials

Strong alkaline materials such as caustic. Do not mix with liquid chlorine bleach, ammonia cleansers or similar products.

Hazardous Decomposition Products

At Temperatures in excess of 570F Hazardous fumes of Sulfur Dioxide and Sulfur Trioxide are evolved. Forms sulfuric acid upon exposure to water. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area.

11. Toxicological Information

Eye Effects

Note to Physician:

Natural watering of eyes will dissolve sodium bisulfate, forming a weak sulfuric acid solution which may cause burns. Flush effected area thoroughly with water. Do not use chemical antidotes or neutralizing solutions.

Skin Effects

Note to Physician:

Mild burns may occur if not thoroughly flushed previously.

Acute Oral Effects

Note to Physician:

Body water content will react with sodium bisulfate to form a weak sulfuric acid solution, which may burn tissues in mouth, esophagus or stomach. Solution should be diluted to reduce burning effect.

Acute Inhalation Effects

Note to Physician:

Mild burning sensations may occur to mucous membranes and upper respiratory tract.

12. Ecological Information

Ecotoxicological Information

LD50 Rat = 2800 mg/kg

This material is neither corrosive nor destructive to the skin of New Zealand rabbits. Occasionally, a very slight rash may appear.

MATERIAL SAFETY DATA SHEET

GLB pH Down

13. Disposal Considerations

Use entire contents. When container is empty, triple rinse, then offer for recycling, or dispose in accordance with applicable federal, state and local government regulations. Do not reuse container.

14. Transport Information

Proper Shipping Name

NOT REGULATED

Hazard Class

NOT REGULATED

DOT Identification Number

NONE

15. Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Ingredient(s) - State Regulations

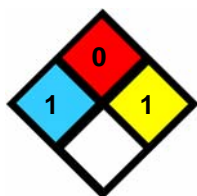
SODIUM BISULFATE

New Jersey - Workplace Hazard

New Jersey - Special Hazard

New York City - Hazardous Substance

NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	F

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 07/18/2000

Disclaimer

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GLB