



MATERIAL SAFETY DATA SHEET

Robarb Calcium Hardness Up

1. Product And Company Identification			
Supplier Robarb 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: 02/13/2006 Product Name: Robarb Calcium Hardness Up Chemical Name: Calcium Chloride CAS Number: Not Established Chemical Family: Inorganic Salt solution MSDS Number: 185			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
CALCIUMCHLORIDE		10043-52-4	
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 Contact			
Eye Hazards Causes eye irritation tearing and blurred vision. Possible corneal injury			
Skin Hazards Causes skin irritation from prolonged contact			
Ingestion Hazards May cause nausea, vomiting, abdominal pain and diarrhea			
Inhalation Hazards May cause respiratory tract irritation.			
Signs And Symptoms Irritation of eyes, skin, and respiratory passages.			
Conditions Aggravated By Exposure None Known			

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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. Consult Physician.

Skin

Wash the affected area under tepid running water using a mild soap. Remove contaminated clothing and shoes.

Ingestion

INDUCE VOMITING. Drink large amounts of water. Contact a physician or poison control.

Inhalation

If inhaled, remove to fresh air.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Flash Point: N/A °F

Flammability Class: NOT FLAMMABLE

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire. Use water to cool fire-exposed containers.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Sweep up and remove immediately. Collect and dispose. Flush spill area with water.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Keep containers tightly closed. Store material in a cool and dry place. Material may contain hazardous residue.

Handling Precautions

Avoid contact with eyes.

Storage Precautions

Store in a cool dry place.

Work/Hygienic Practices

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

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Protective Clothing (Pictograms)



8. Exposure Controls/Personal Protection

Engineering Controls

Local exhaust acceptable.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

None normally required. If dust accumulation is a problem, a dust mask is suggested.

9. Physical And Chemical Properties

Appearance

Clear liquid

Odor

None

Chemical Type: Mixture

Physical State: Liquid

Melting Point: N/A °F

Boiling Point: 212 °F

Specific Gravity: 1.2

Percent Volitales: not determined

Packing Density: NOT DETERMINED

Vapor Density: N/A

Solubility: SOLUBLE IN WATER

Viscosity: NOT DETERMINED

Evaporation Rate: not determined

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Avoid contact with strong acids.

Incompatible Materials

If product dehydrates, Sulfuric Acids yields hydrogen chloride gas, which is corrosive, irritating and reactive. Water reactive materials such as sodium cause an exothermic reaction. Methyl Vinyl Ether starts run away polymerization reaction. Zinc yields hydrogen gas with solutions which may explode. Metals are also incompatible.

Hazardous Decomposition Products

CO₂

11. Toxicological Information

No Data Available...

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12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

NOT REGULATED

Hazard Class

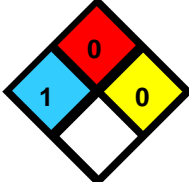
NOT REGULATED

DOT Identification Number

NONE

15. Regulatory Information

No Data Available...

NFPA	HMIS								
	<table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>PERSONAL PROTECTION</td><td>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: JHW3

This MSDS Superceeds A Previous MSDS Dated: 03/09/2001

Disclaimer

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Robarb

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