

# MATERIAL SAFETY DATA SHEET

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## GLB Calcium Hardness Up

<b>1. Product And Company Identification</b>																			
<b>Supplier</b> 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		<b>Manufacturer</b> 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																	
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911		<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300 ACEAN - DAY OR NIGHT: (800) 654-6911																	
Issue Date: 05/26/2009  Product Name: GLB Calcium Hardness Up Chemical Name: Calcium Chloride Anhydrous Chemical Family: Inorganic Salt Chemical Formula: CaCl <sub>2</sub> MSDS Number: 170																			
<b>2. Composition/Information On Ingredients</b>																			
<table border="1"><thead><tr><th>Ingredient Name</th><th>CAS Number</th><th></th><th>Percent Of Total Weight</th></tr></thead><tbody><tr><td>CALCIUM CHLORIDE</td><td>10043-52-4</td><td></td><td></td></tr><tr><td>POTASSIUM CHLORIDE</td><td>7447-40-7</td><td></td><td></td></tr><tr><td>SODIUM CHLORIDE</td><td>7647-14-5</td><td></td><td></td></tr></tbody></table>				Ingredient Name	CAS Number		Percent Of Total Weight	CALCIUM CHLORIDE	10043-52-4			POTASSIUM CHLORIDE	7447-40-7			SODIUM CHLORIDE	7647-14-5		
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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).																			
<b>3. Hazards Identification</b>																			
<b>Primary Routes(s) Of Entry</b> Skin Contact, Eye Contact																			
<b>Eye Hazards</b> Causes eye irritation tearing and blurred vision. Possible corneal injury																			
<b>Skin Hazards</b> Causes skin irritation from prolonged contact																			
<b>Ingestion Hazards</b> May cause nausea, vomiting, abdominal pain and diarrhea																			
<b>Inhalation Hazards</b> May cause respiratory tract irritation.																			
<b>Signs And Symptoms</b> Irritation of Eyes, Skin and Respiratory Passages																			
<b>Conditions Aggravated By Exposure</b> None Known																			

## GLB Calcium Hardness Up

### 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

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

If inhaled, remove to fresh air.

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

**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.

## GLB Calcium Hardness Up

### 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

White Granules

#### Odor

None

**Chemical Type:** Mixture

**Physical State:** Solid

**Melting Point:** N/A °F

**Boiling Point:** 388 °F

**Specific Gravity:** N/A

**Percent Volitales:** N/A

**Packing Density:** NOT DETERMINED

**Vapor Pressure:** 0.009 MMHg @20C

**Vapor Density:** N/A

**pH Factor:** 9-11 At a Concentration Of 1% SOLUTION IN WATER

**Solubility:** SOLUBLE IN WATER

**Viscosity:** NOT DETERMINED

**Evaporation Rate:** N/A

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### Conditions To Avoid (Stability)

None known

#### Incompatible Materials

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

CO<sub>2</sub>

#### Conditions To Avoid (Polymerization)

Temperatures above 350F, Humidity

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### 11. Toxicological Information

#### Skin Effects

Dermal LD50 (Rabbit) < 5g/kg

#### Acute Oral Effects

LD50 mg/kg Rat 0.9-2.1 g/kg for 100% Calcium Chloride

### 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

#### DOT Shipping Label

NOT ASSIGNED

### 15. Regulatory Information

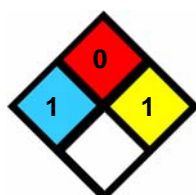
#### Canadian Regulatory Information

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

#### WHMIS - Canada (Pictograms)



#### 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: 02/23/2001

#### Disclaimer

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## **GLB Calcium Hardness Up**

**Disclaimer - Continued**

**Advantis Technologies, Inc.**