MATERIAL SAFETY DATA SHEET

GLB Super Charge

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: 02/16/2006

Product Name: GLB Super Charge
Chemical Name: Calcium Hypochlorite
CAS Number: Not Established
Chemical Family: Oxidizer
Chemical Formula: Proprietary
MSDS Number: 99

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
CALCIUM CARBONATE	471-34-1		
CALCIUM CHLORATE	10137-74-3		
CALCIUM CHLORIDE	Not Establish		
CALCIUM CHLORIDE	10043-52-4		
CALCIUM HYDROXIDE	1305-62-0		
CALCIUMHYPOCHLORITE	7778-54-3		
SODIUMCHLORIDE	7647-14-5		

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).

Hazards Identification (Pictograms)

3. Hazards Identification

Primary Routes(s) Of Entry
Skin Contact, Eye Contact, Ingestion

Eye Hazards
Causes severe eye burns.

3. Hazards Identification - Continued

Skin Hazards

Causes skin irritation.

Ingestion Hazards

If ingested, get immediate medical attention.

Inhalation Hazards

Causes respiratory tract irritation. May cause severe allergic respiratory reaction.

Chronic/Carcinogenicity Effects

Chronic exposure may cause

impairment of lung function or lung damage
secondary tissue destruction

Signs And Symptoms

Inhalation of dust or vapor from this product can be irritating to the nose, mouth, throat and lungs. In confined areas, mechanical adgitation can result in high levels of dust, and reaction with incompatable materials can result in high concentrations of chlorine vapor either of which may result in burns, wheezing, choking, chest pains, impairment of lung function and possible lung damage.

Severe eye irritation and/or burns can occur following eye exposure. Contact may cause impariment of vision and corneal damage.

Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged exposure may cause permanant damage.

Conditions Aggravated By Exposure

Asthma, respiratory, and cardiovascular disease

May be fatal if swallowed. Avoid breathing dust or fumes. Harmful if product is inhaled in high concentrations. Causes skin, eye digestive tract and respiatory burns.

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.Call a physician or a poison control center immediately.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. Remove contaminated clothing and shoes. Thoroughly clean shoes before reuse. Wash clothing before reuse.

Ingestion

DO NOT INDUCE VOMITING. If victim is fully conscious, drink large amounts of water. Call a physician or a poison control center immediately.

Inhalation

If inhaled, remove to fresh air. Call a physician or a poison control center immediately.

Fire Fighting (Pictograms)

5. Fire Fighting Measures

Flash Point: N/A °F

Fire And Explosion Hazards

This product is chemically reactive with many substances. Any contamination of this product with other substances by spill or otherwise may result in a chemical reaction and fire. This product is a strong oxidixer which is capable of intensifying a fire once started.

Extinguishing Media

WATER ONLY. In case of fire, soak (flood) with water.
DO NOT USE Dry Chemical OR OTHER EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.
GRINDING OR INTENSIVE MIXING MAY GENERATE SUFFICIENT HEAT TO FUSE PRODUCT AND CAUSE IGNITION OF OXIDIZABLE MATERIAL PRESENT.

6. Accidental Release Measures

Clean up spill immediately. Flush spill area with water in compliance with State and Federal Regulations.

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.

Handling Precautions

Avoid breathing dust or vapor. Avoid contact with skin and clothing. Avoid contact with eyes.

Storage Precautions

Keep product tightly sealed in original containers. Store in a cool dry place. Store in a dry, well ventilated place. Keep away from combustible or flammable products. Keep packaging clean and free from contamination including other pool treatment products , acids, organic materials, nitrogen containing compounds, dry powder fire extinguisher (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials

Do not store at temperatures above 52C (125F) Storage above this temperature may result in rapid decomposition, evolution or chlorine gas and heat sufficient to ignite combustible materials.

Work/Hygienic Practices

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

Protective Clothing (Pictograms)

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Wear NIOSH approved respirator if dusts are created.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves, impervious suit may be required.

Respiratory Protection

Use NIOSH/MSHA approved dust and mist respirator when applicable.

Ingredient(s) - Exposure Limits

CALCIUM CARBONATE

OSHA (PEL)	ACGIH(TLV)
TWA 15 mg/cubic-meter (total dust)	10 mg/cubic-meter
5 mg/cubic-meter(respirable fraction)	

CALCIUM HYDROXIDE

ACGIH(TLV) 5 mg/cubic-meter

CALCIUM HYPOCHLORITE

3 mg/cubic meter(ceiling) as chlorine manifactures internal exposure limit

9. Physical And Chemical Properties

Appearance

White granules or powder

Odor

Chlorine

Chemical Type: Mixture
Physical State: Solid
Melting Point: DECOMPOSES °F
Boiling Point: DECOMPOSES °F
Specific Gravity: n/a
Molecular Weight: 143 (Active)
Percent Volitales: n/a
Packing Density: 0.8g/cc
Vapor Pressure: n/a
pH Factor: 10.4-10.8 At a Concentration Of 1% solution
Solubility: 18% @ 25C
Corrosive, Oxidizer

10. Stability And Reactivity

Stability: See comments
Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

This product may be unstable at tempratures above 170C (338F)

10. Stability And Reactivity - Continued

Incompatible Materials

Keep packaging clean and free from contamination including other pool treatment products , acids, organic materials, nitrogen containing compounds, dry powder fire extinguisher (containing mono-ammonium phosphate), oxidizers, all corrosive liquids, flammable or combustible materials

Hazardous Decomposition Products

Chlorine Gas

Conditions To Avoid (Polymerization)

Avoid temperatures above 125 F (52C) Prevent ingress of humidity and moisture into container. Always close the lid.

11. Toxicological Information

Eye Effects

Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

Skin Effects

Acute dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause permanent damage.

Chronic effect of skin exposure would be similar to those from single exposure for effects secondary to tissue destruction.

Acute Oral Effects

Irritation and/or burns to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration. Due to the corrosive nature of this product ingestion may be fatal.

Acute Inhalation Effects

Inhalation of dust or vapor from this product can be irritating to the nose mouth , throat and lungs. In confined areas mechanical agitation can result in high levels of dust and reaction with incompatible materials can result in high concentrations of chlorine vapor, either of which may result in shortness of breath, wheezing, choking, chest pains, impairment of lung function and possible lung damage.

Conditions Aggravated By Exposure

Asthma, respiratory and cardiovascular disease.

12. Ecological Information

Toxicity - Aquatic And Terrestrial Plants

Bluegill, 96 hr. LC50 0.088 mg/l (nominal, static)
Rainbow trout, 96 hr. LC50: 0.16 mg/l (nominal, static)
Daphnia magna, 48hr. LC50: 0.11 mg/l (nominal, static)

Acute And Dietary Toxicity - Birds

Bobwhite quail, dietary LC50:>5,000 ppm
Mallard ducklings, dietary LC50:>5,000 ppm
Bobwhite quail oral LD50:3474 mg/kg

13. Disposal Considerations

This product meets the criteria of a hazerdous waste as defined under 40 CFR 261. It is subject to Land Disposal restriction under 40 CFR 268 and must be managed accordingly. Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name
RQ CALCIUM HYPOCHLORITE, HYDRATED MIXTURES

Hazard Class
5.1,PGII (<1KG Consumer Commodity ORM-D)

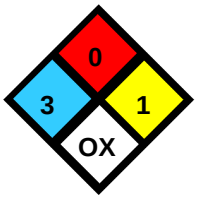
DOT Identification Number
UN2880

15. Regulatory Information

U.S. Regulatory Information
This material is regulated as a DOT hazardous material. It is also regulated by FIFRA, USDA, and FDA.
This substance is listed on TSCA.
NSF Maximum Drinking Water Use Concentration 46mg/l as Calcium hypochlorite

SARA Hazard Classes
Acute Health Hazard
Fire Hazard
Reactivity Hazard

NFPA



HMIS

HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	E

16. Other Information

Revision/Preparer Information
MSDS Preparer: JHW3
This MSDS Superceeds A Previous MSDS Dated: 09/18/2000

Disclaimer

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GLB