

MATERIAL SAFETY DATA SHEET

Ultima Total Control Shock and Algaecide

1. Product And Company Identification	
Supplier 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	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: 09/10/2004 Product Name: Ultima Total Control Shock and Algaecide Chemical Family: Algaecide MSDS Number: 122	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
COPPERSULFATEPENTAHYDRATE	7758-98-7		
SODIUM DICHLOROISOCYANURATEDIHYDRATE	51580-86-0		
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, Inhalation
Eye Hazards Can cause severe eye irritation and/or burns.
Skin Hazards Can cause severe skin irritation and/or burns.
Ingestion Hazards Can cause digestive tract burns.
Inhalation Hazards Can causes respiratory tract irritation.
Signs And Symptoms Irritation of eyes and respiratory passages.
Conditions Aggravated By Exposure Asthma, respiratory and cardiovascular disease.

First Aid (Pictograms) 
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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.

Ingestion

Wash mouth thoroughly with plenty of water. Drink large amounts of water. Avoid Alcohol. 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

Extinguishing Media

In case of fire, soak (flood) with water. CAUTION DO NOT USE DRY CHEMICAL

Fire Fighting Instructions

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

6. Accidental Release Measures

Do not apply water unless directed to do so by a hazardous materials expert. Clean up spill immediately. Sweep up and remove immediately. 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.

Storage Precautions

Keep out of reach of children. Store in a cool dry place. Do not Reuse container. Keep away from other types of chlorinated compounds and organic material. KEEP AWAY FROM AMMONIA AND AMMONIA COMPOUNDS.

Work/Hygienic Practices

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

Protective Clothing (Pictograms)



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8. Exposure Controls/Personal Protection
Engineering Controls Assure good general ventilation.
Eye/Face Protection Safety glasses with side shields or goggles.
Skin Protection Chemical-resistant gloves. Wear long sleeves.
Respiratory Protection USBM approved respirator with appropriate canister. When dusty conditions are encountered, wear an approved respirator with chlorine cartridge for protection against chlorine gas and dust/mist per-filters.
9. Physical And Chemical Properties
Appearance White and Blue Granules
Odor Mild chlorine-like odor.
Chemical Type: Mixture
Physical State: Solid
Melting Point: Decomposes °F
Boiling Point: n/a °F
Specific Gravity: 1.029
Molecular Weight: NOT DETERMINED
Percent Volitales: NOT VOLATILE
Vapor Pressure: NOT VOLATILE
pH Factor: 7-7.5 At a Concentration Of 1% solution in water
Solubility: 20% IN WATER
Evaporation Rate: > Water
10. Stability And Reactivity
Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Conditions To Avoid (Stability) Heating above 240C (464F).
Incompatible Materials Organic materials, reducing agents, nitrogen containing materials, other oxidizers, acids, bases, oils, grease, sawdust, dry fire extinguishers containing monoammonium compounds.
Hazardous Decomposition Products Nitrogen trichloride, chlorine, carbon monoxide.
11. Toxicological Information
No Data Available...
12. Ecological Information
No Data Available...
13. Disposal Considerations
Dispose in accordance with applicable federal, state and local government regulations.

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14. Transport Information

Proper Shipping Name

Environmentally Hazardous Substance, Solid, n.o.s. (contains hydrated form of Cupric Sulfate), Marine Pollutant

Hazard Class

9, PGIII

DOT Identification Number

UN3077

Additional Shipping Paper Description

North American Emergency Response Guide No. 171

Not regulated by DOT for ground or air shipments [see exception for marine pollutants 49 CFR 171.4(c)].

15. Regulatory Information

No Data Available...

NFPA



HMIS

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	C

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Superceeds A Previous MSDS Dated: 11/03/2000

Disclaimer

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Advantis Technologies, Inc.