

MATERIAL SAFETY DATA SHEET

Ultima Enzyme Clarifier

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: 08/25/2006 Product Name: Ultima Enzyme Clarifier Chemical Name: Enzyme Cleaner CAS Number: Not Established Chemical Family: Enzyme Chemical Formula: Proprietary Mixture MSDS Number: 294			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
PROPYLENE GLYCOL		57-55-6	
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			
May cause eye and/or respiratory tract irritation.			
3. Hazards Identification			
Primary Routes(s) Of Entry Skin Contact			
Eye Hazards May cause eye irritation.			
Skin Hazards May cause skin irritation.			
Ingestion Hazards May cause nausea and diarrhea if swallowed.			
Inhalation Hazards May cause respiratory tract irritation.			
Signs And Symptoms Irritation of Eyes and Skin			

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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. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes.

Ingestion

DO NOT INDUCE VOMITING. If victim is fully conscious, give two cups of water or milk to drink. Never give anything by mouth to an unconscious victim. Contact physician.

Inhalation

If inhaled, remove to fresh air. Consult a physician if irritation or difficulty in breathing persists.

Fire Fighting (Pictograms)



5. Fire Fighting Measures

Fire And Explosion Hazards

None Known.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

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

6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Use appropriate containers to avoid environmental contamination.

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

Use only with adequate personal protection.

Storage Precautions

Store in a cool dry place. Water contamination should be avoided. Keep out of reach of children.

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. Special exhaust not required

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

None normally required.

9. Physical And Chemical Properties

Appearance

Pale Brown liquid

Odor

Mild Ferment

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: Not Determined °F

Specific Gravity: 1.013

Molecular Weight: NOT DETERMINED

pH Factor: 5.9-6.0

Solubility: Soluble

Evaporation Rate: Not Determined

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions To Avoid (Stability)

High temperatures. Strong oxidizing agents. This material may slowly react with iron, copper, and aluminum, resulting in corrosion and product degradation.

Incompatible Materials

Oxidizing materials

Hazardous Decomposition Products

Decomposition and/or combustion may produce carbon monoxide. Oxides of carbon and nitrogen, ammonia and/or hydrogen chloride.

11. Toxicological Information

Acute Studies

Not toxicological data exists for this product.

12. Ecological Information

No Data Available...

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12. Ecological Information - Continued

Ecotoxicological Information

No ecotoxicological data exists for this product.

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

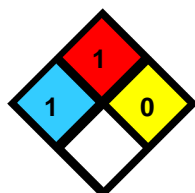
DOT Identification Number

NONE

15. Regulatory Information

No Data Available...

NFPA



HMIS

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

16. Other Information

Revision/Preparer Information

MSDS Preparer: JHW

This MSDS Supercedes A Previous MSDS Dated: 05/10/2001

Disclaimer

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Advantis Technologies, Inc.

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