

# MATERIAL SAFETY DATA SHEET

## Ultima Enzyme Clarifier

1. Product And Company Identification			
<b>Supplier</b> 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		<b>Manufacturer</b> 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	
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300		<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC - DAY OR NIGHT: (800) 424-9300	
Issue Date: 04/01/2008  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			
<b>Primary Routes(s) Of Entry</b> Skin Contact			
<b>Eye Hazards</b> May cause eye irritation.			
<b>Skin Hazards</b> May cause skin irritation.			
<b>Ingestion Hazards</b> May cause nausea and diarrhea if swallowed.			
<b>Inhalation Hazards</b> May cause respiratory tract irritation.			
<b>Signs And Symptoms</b> 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

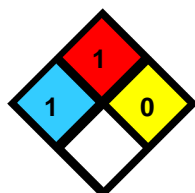
#### DOT Identification Number

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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