

# 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: 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			
<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			

# MATERIAL SAFETY DATA SHEET

## Ultima Enzyme Clarifier

### 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.

# MATERIAL SAFETY DATA SHEET

## Ultima Enzyme Clarifier

### 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...

# MATERIAL SAFETY DATA SHEET

## Ultima Enzyme Clarifier

### 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

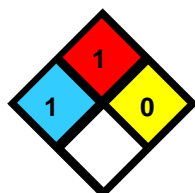
#### DOT Identification Number

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

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

Advantis Technologies, Inc.

Printed Using MSDS Generator™ 2000