

Issue Date: 05-Sep-2014

Revision Date: 05-Dec-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** United 337 Algae, Bacteria and Fungi Control

### Other means of identification

**SDS #** UNITED-337

**Registration Number(s)** EPA Reg. No. 1448-212-9250

### Recommended use of the chemical and restrictions on use

**Recommended Use** Algae, Bacteria and Fungi Control.

**Uses Advised Against** For industrial and institutional use only.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

### Emergency Telephone Number

**Company Phone Number** 800-323-2594 (to reorder)  
**Emergency Telephone (24 hr)** INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Pale, amber liquid                      **Physical State** Liquid                      **Odor** Faint odor

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health

## 4. FIRST-AID MEASURES

### First Aid Measures

**Eye Contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin Contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to a person who is unconscious or convulsing.

**Most important symptoms and effects**

<b>Symptoms</b>	Mild eye irritant. Effects may range from none to mild depending on the length of exposure, solution concentration and first aid measures. May cause irritation or corrosion of mucous membranes and the lungs. Exposed individuals should be monitored for respiratory distress, bronchitis or pneumonia. May be harmful if swallowed. May cause upset stomach or vomiting.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Dry chemical. Water spray (fog). Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** No information available.

**Specific Hazards Arising from the Chemical**

Heating may cause release of hazardous gases.

**Hazardous Combustion Products**

When strongly heated, as in a fire, this product may produce carbon monoxide.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water, mist or spray to cool and wet packaging material.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Clean-Up</b>	Small spills: Absorb spills with absorbents (clay, soil, etc.) and place in appropriate containers for proper disposal.
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Large spills: Block any potential routes to water systems. Recover as much of the product as possible and absorb spill with absorbents (clay, soil, etc.). Place in appropriate containers for proper disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash hands and face with soap and water after handling this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep this product in properly labeled, tightly closed containers. Store in a cool, dry place. Do not let containers freeze as they may split or rupture.

**Incompatible Materials** Anionic polymers. Strong oxidizers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** Normally not required. Local exhaust generally adequate.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Chemical safety goggles are recommended.

**Skin and Body Protection** Chemical resistant gloves recommended. Shirts with long sleeves.

**Respiratory Protection** Normally not required.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical State** Liquid  
**Appearance** Pale, amber liquid  
**Color** Pale amber  
**Odor** Faint odor

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6-7	
Melting Point/Freezing Point	No information available.	
Boiling Point/Boiling Range	>100 °C / >212 °F	
Flash Point	None	
Evaporation Rate	~1.0	
Flammability (Solid, Gas)	Liquid-Not applicable	
Upper Flammability Limits	No information available.	
Lower Flammability Limit	No information available.	
Vapor Pressure	No information available.	
Vapor Density	No information available.	
Specific Gravity	1.045	(Water = 1)
Water Solubility	Completely miscible	
Solubility in other solvents	No information available.	
Partition Coefficient	No information available.	
Auto-ignition Temperature	No information available.	

<b>Decomposition Temperature</b>	No information available.
<b>Kinematic Viscosity</b>	No information available.
<b>Dynamic Viscosity</b>	No information available.
<b>Explosive Properties</b>	No information available.
<b>Oxidizing Properties</b>	No information available.
<b>VOC Content</b>	None.

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

### Conditions to Avoid

Excessive heat or cold. Incompatible Materials.

### Incompatible Materials

Anionic polymers. Strong oxidizers.

### Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Poly[Oxyethylene(dimethyliminio)] 31512-74-0	1850 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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### Numerical measures of toxicity

No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information available.

### Persistence/Degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

No information available.

### Other Adverse Effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

#### **Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

#### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated.

### IATA

Not regulated.

### IMDG

Not regulated.

## 15. REGULATORY INFORMATION

### International Inventories

#### **TSCA**

All ingredients are listed or exempt from listing on Chemical Substance Inventory.

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

### US Federal Regulations

#### **SARA 313**

No information available.

### US State Regulations

#### **California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

#### **U.S. State Right-to-Know Regulations**

No information available.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> No information available	<b>Flammability</b> No information available	<b>Instability</b> No information available	<b>Special Hazards</b> No information available
<b><u>HMIS</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> N+P

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 Revision Note: New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**