

Issue Date: 24-Mar-2016

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** United 690 BioFilm Eliminator

### Other means of identification

**SDS #** UNITED-690

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

**Recommended Use** BioFilm Eliminator  
For industrial and institutional use only.

### Uses Advised Against

### 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** Colorless liquid

**Physical State** Liquid

**Odor** Unscented

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### Other Hazards

Harmful to aquatic life with long lasting effects.

### Unknown Acute Toxicity

Less than 1% of the mixture consists of ingredient(s) of unknown toxicity.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

## 4. FIRST-AID MEASURES

### First Aid Measures

<b>Eye Contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if symptoms occur.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects

<b>Symptoms</b>	May cause eye irritation. Prolonged or repeated skin contact may cause irritation. Mists of this product may irritate nasal passages. Large quantities may cause upset stomach, diarrhea, nausea and 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. Foam. Carbon dioxide (CO<sub>2</sub>). Water Fog.

**Unsuitable Extinguishing Media** May burn if heated above the flashpoint. Empty containers retain product residue (liquid and/or vapor) and can be dangerous.

### Specific Hazards Arising from the Chemical

None known.

**Hazardous Combustion Products** When strongly heated, as in a fire, this product may produce nitrous oxides and ammoniacal vapors.

### 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. Avoid use of solid water streams. Water spray to cool containers or protect personnel. Dike and collect water used to fight fire.

## 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>	Eliminate all ignition sources. Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.
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**Methods for Clean-Up**

Prevent additional discharge of material if able to do so safely. Avoid runoff into storm sewers and ditches which lead to waterways. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. This product may cause slippery conditions; Rinse thoroughly.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling**

Use only in a well ventilated area. Follow all SDS/label precautions even after containers are emptied because they may retain product residues. Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions**

Keep this product in a properly labeled, tightly closed container. Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place.

**Incompatible Materials**

Oxidizers such as bleach.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls**

Mechanical ventilation recommended when handling in enclosed, tight spaces.

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

**Eye/Face Protection**

Safety glasses or goggles are recommended.

**Skin and Body Protection**

Chemical resistant gloves are recommended for prolonged exposure.

**Respiratory Protection**

Normally not required. Whenever workplace conditions warrant the use of a respirator make sure it meets OSHA 1910.34 and ANSI Z88.2 requirements must be followed.

**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	Colorless liquid
Color	Colorless
Odor	Unscented

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
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<b>pH</b>	7-8	
<b>Melting Point/Freezing Point</b>	No information available.	
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F	
<b>Flash Point</b>	> 228F	
<b>Evaporation Rate</b>	1	(Water = 1)
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Upper Flammability Limits</b>	No information available.	
<b>Lower Flammability Limit</b>	No information available.	
<b>Vapor Pressure</b>	17.5 mmHg	
<b>Vapor Density</b>	No information available.	
<b>Specific Gravity</b>	1.005	(Water = 1)
<b>Water Solubility</b>	Soluble	
<b>Solubility in other solvents</b>	No information available.	
<b>Partition Coefficient</b>	No information available.	
<b>Auto-ignition Temperature</b>	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 and sources of ignition. Incompatible materials.

**Incompatible Materials**

Oxidizers such as bleach. Keep away from acids.

**Hazardous Decomposition Products**

When strongly heated, as in a fire, this product may produce nitrous oxides and ammoniacal vapors.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

- Eye Contact**                      Avoid contact with eyes. Contact with the eye may cause mild irritation.
- Skin Contact**                      Avoid contact with skin. Low order of toxicity.
- Inhalation**                          Do not inhale. May be irritating to the respiratory system.
- Ingestion**                          Do not ingest. May cause gastrointestinal tract irritation.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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Hydrogen Peroxide 7722-84-1	801 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2 g/m <sup>3</sup> ( Rat ) 4 h
1,2 Propanediol 57-55-6	20000 mg/kg ( Rat )	20800 mg/kg ( Rabbit )	-

### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

#### Numerical measures of toxicity

No information available.

#### Unknown Acute Toxicity

Less than 1% of the mixture consists of ingredient(s) of unknown toxicity.

## 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

#### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

#### DOT

Not regulated

#### IATA

Not regulated

#### IMDG

##### **Marine Pollutant**

This material may meet the definition of a marine pollutant.

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Listed.

**Legend:**

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

**US Federal Regulations**

**SARA 311/312 Hazardous substance**

None known.

**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**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen Peroxide 7722-84-1	X	X	X
1,2 Propanediol 57-55-6	X		X

**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> 0	<b>Flammability</b> 1	<b>Physical Hazards</b> 0	<b>Personal Protection</b> B

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**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 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**