

### SECTION 1 – IDENTIFICATION

**Product Name:** Echo 3 HT™  
**Recommended Use:** Industrial Ultrasonic Couplant  
**Restrictions on Use:** For Industrial Use Only  
**Chemical Family:** Poly Glycol  
**OPERATING RANGE:** -30 to 350° (-34 to 177°C)

**Manufacturer:** Echo Ultrasonics® LLC  
 774 Marine Drive, Bellingham, WA 98225  
 360-671-9121 www.echoultrasonics.com  
**Emergency:** US: 1-800-255-3924  
**Emergency:** Outside US: +1-813-248-0585

### SECTION 2 – HAZARDS

**General Information:** **Color:** Colorless  
**Physical State:** Low viscosity liquid  
**Odor:** Mild

**Emergency Overview:** **Hazards:** Not hazardous by OSHA HazCom 2012 criteria  
 Class III combustible liquid; Slippery



May cause eye irritation.  
 Use protective eye wear  
 (safety glasses with side shields).

**Potential Health Hazards:** No delayed health hazard for limited industrial exposure in nondestructive testing.  
**Label elements according to OSHA HazCom 2012:** NONE APPLICABLE

### SECTION 3 – COMPOSITION/INGREDIENTS

Chemical/ Common Name	CAS #	WT %	Hazard Limit
Poly glycols, methyl-2 (methyl-2) oxybispropanol	24800-44-0, 25265-71-8	+95%	Not Applicable
		No known impurities	

### SECTION 4 – FIRST-AID MEASURES

**General Information:** Use good industrial hygiene including eye protection (safety glasses with side shields), protecting open wounds and avoid contact with mucus membranes. Do not ingest.

Symptoms/Effects	Treatment Recommendations
<b>Eyes:</b> May cause mild eye irritation.	Flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

<b>Skin:</b> May cause irritation in sensitive individuals.	Repeat exposure may cause drying (defatting) of skin. Wash off with soap and water.
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<b>Inhalation:</b> Irritation (from fumes).	If exposed to excessive hot vapors or mists, move to fresh air and get medical attention if cough or other symptoms develop. For excessive inhalation of hot fumes or mist, move to fresh air. If breathing is difficult, seek medical attention.
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<b>Ingestion:</b> Low to slightly toxic; could cause gastric distress, vomiting.	DO NOT induce vomiting. Drink large amounts of water. Seek medical attention immediately. Keep away from children and adults with dementia.
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### SECTION 5 – FIRE-FIGHTING MEASURES

**Suitable Extinguishing Equipment:** Water fog or fine spray, CO<sub>2</sub>, dry chemical or alcohol resistant foam. Avoid using direct water stream.

**Specific Hazards from Combustion:** Heat from fire can generate flammable vapor

**Fire Fighting procedures:** Wear pressure breathing apparatus and structural firefighter's clothing.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Small Spill:** Stop source of spill. Absorb with inert media and collect into suitable container.

**Large Spill:** Shut off or plug source of spill. Dike area to contain spill. Maximize recovery of as much liquid into a suitable container. Absorb residual with inert material (earth, clay, commercial absorbent); collect into a suitable container.

**Personal Protection in case of large spill:** Wear protective equipment and/or garments as conditions warrant.

### SECTION 7 – HANDLING AND STORAGE

**Precautions:** Wash hands and contaminated skin after handling. Store in original closed labeled containers in a cool, dry area.

**Recommendations:** Store in a cool, dry, well ventilated area.  
 Keep away from children and adults with dementia.

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye Protection:** Eye protection when pouring. Goggles or safety glasses with side shields are recommended.

**Respiratory Protection:** Where adequate ventilation is not available, or when exposed to concentrated hot vapors, an approved NIOSH organic vapor respirator must be worn.

**Ventilation:** General mechanical ventilation to prevent TLV from exceeding control limits.

**Protective Clothing:** Selection of protective clothing depends on potential exposure conditions and may include gloves.

**Other Equipment:** It is good general practice to provide eyewash stations or rinse bottles.



# SAFETY DATA SHEET

## Echo 3 HT™

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear low viscosity liquid  
**Odor:** Mild characteristic  
**Odor Threshold:** No data  
**Solubility in Water:** Miscible  
**pH:** 6.0  
**Vapor Density (Air=1):** 4.6  
**Freezing point:** Super cools  
**Flammability:** Class III combustible liquid  
**Flash Point:** 255°F / 124°C  
**Auto Ignition:** 628°F / 331°C  
**Viscosity:** 110 cSt  
**Volatile Organic Compounds (VOC):** Less than 1.00% (Calculated)

### SECTION 10 – STABILITY AND REACTIVITY

**Reactivity:** Stable  
**Chemical Stability:** Stable under normal use and storage conditions.  
**Conditions to Avoid:** Extreme temperatures, pure oxygen, isocyanates, moisture, direct sunlight, ultraviolet sources.  
**Incompatible Materials:** Avoid contact with strong oxidizing agents, strong acids, strong bases.  
**Hazardous Polymerization:** Will not occur.  
**Hazardous Decomposition Products:** Oxides of Carbon, alcohols, ethers, organic acids, irritating aldehydes and ketones may be formed on burning.

### SECTION 11 – TOXICOLOGICAL INFORMATION

**Likely Routes and Effects of Exposure:** See section 2  
**Immediate:** See section 2  
**Delayed or Chronic Symptoms:** No data  
**Carcinogenicity:** No data

### SECTION 12 – ECOLOGICAL INFORMATION

**Toxicology Data:** Low acute toxicity to fish, aquatic invertebrates and algae  
**Environmental Persistence/Degradation:** Biodegradation is expected  
**Bioaccumulation Potential:** No bioaccumulation is expected  
**Soil to Groundwater Motility:** Not expected  
**Other Adverse Effects:** None expected

### SECTION 13 – DISPOSAL CONSIDERATIONS

**General Information:** All disposal practices must be in compliance with all federal, state, and local laws and regulations.  
**Disposal Containers:** Any  
**Disposal Methods:** Landfill, municipal sewer if permissible  
**Physical /Chemical properties affecting disposal:** None; not a RCRA hazardous waste if discarded in its purchased form.  
**Sewage Disposal:** Small quantities generally permissible; rapidly biodegradable  
**Special precautions for landfills or incinerators:** None

### SECTION 14 – TRANSPORT INFORMATION

**UN Number and Proper Shipping Name:** Not assigned; not regulated by U.S. DPT  
**Transport Hazard Class:** Not hazardous  
**Packing Group:** None  
**Environmental Hazards or special precautions:** None  
**Bulk Transport Guidance:** None  
**Special precautions:** Not restricted, not regulated, not hazardous & not dangerous to transport by air by IATA.

### SECTION 15 – REGULATORY INFORMATION

**Regulatory Information not included elsewhere:** **TSCA Inventory:** All ingredients listed  
**CEPA:** All ingredients listed on DSL  
Section 311 SARA Title III/CERCLA  
**Immediate (acute):** No  
**Delayed (chronic):** No  
**Fire Hazard:** No  
**Reactive:** No  
**Sudden Release of Pressure:** No  
**SARA 313**  
This product does not contain chemicals which require reporting.

### SECTION 16 – OTHER INFORMATION

**SDS Preparation Date:** March 23,2020  
**Last Revision:** January 3, 2022  
**Changes from Last Revision:** Annual Review  
**Other Information:**

All information herein is provided in good faith and believed to be accurate and reliable. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ according to location. It is the buyer's/user's responsibility to ensure that this product is used in compliance with all federal, state and local laws.