

SECTION 1 – IDENTIFICATION

Product Name: Echo 4 HT™
Recommended Use: Industrial Ultrasonic Couplant
Restrictions on Use: For Industrial Use Only
Chemical Family: Poly Glycol

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:** Clear
Physical State: Low viscosity liquid
Odor: Mild

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

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



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

SECTION 3 – COMPOSITION/INGREDIENTS

Component	CAS #	WT %
Poly glycols ,methyl-2 (methyl-2) oxybispropanol	24800-44-0, 25265-71-8	+95+%

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
Eyes:	May cause mild eye irritation.	Flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	May cause irritation in sensitive individuals.	Repeat exposure may cause drying (defatting) of skin. Wash off with soap and water.
Inhalation:	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.
Ingestion:	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

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: Water spray, CO2., dry chemical or alcohol resistant foam

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.
Store in a cool, dry, well ventilated area.

Recommendations: 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.



SAFETY DATA SHEET

Echo 4 HT™

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear low viscosity liquid
Odor: Mild
Solubility in Water: Miscible
pH: 6.0
Vapor Density (Air=1): 4.6
Freezing point: Super cools
Boiling Point Range: 450°F / 230°C
Evaporation Rate: No data
Flammability: Class III combustible liquid
Flash Point: 255°F / 124°C
Auto Ignition: 628°F / 330°C
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, strong acids, isocyanates.
Incompatible Materials: Avoid contact with strong oxidizing agents.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Oxides of Carbon, 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 acutely 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: None
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: 4 May 2015
Last Revision: June 13, 2017
Changes from Last Revision: Modified Emergency Contact Information
Other Information: None

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.