



SAFETY DATA SHEET
EchoFlow™
Fluid Ultrasonic Couplant

SECTION 1 – IDENTIFICATION

Product Name: EchoFlow
Recommended Use: Industrial Ultrasonic Couplant, fluid
-40° to 150°F (-40° to 65°C)
Restrictions on Use: For Industrial Use Only

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

SECTION 2 – HAZARDS

Hazard Status: Not hazardous by OSHA 2012 Criteria.
Pictograms required: None
Potential Health Hazards: **Eye:** May cause slight irritation.

Label Elements according to OSHA HazCom 2012: NONE APPLICABLE

SECTION 3 – COMPOSITION/INGREDIENTS

Chemical/ Common Name	CAS #	WT %	Hazard Limit
Glycerin:	56-81-5	<70% No known impurities	Not Applicable

SECTION 4 – FIRST-AID MEASURES

	Symptoms/Effects	Treatment Recommendations
Eyes:	Slight irritation (possible, none expected)	Flush with water holding eyelids apart.
Skin:	None expected	None
Inhalation:	No irritation expected	None
Ingestion:	Not Available	None

SECTION 5 – FIRE-FIGHTING MEASURES

Flammability: Non-flammable
Suitable Extinguishing Equipment: N/A
Specific Hazards from Combustion: N/A
Recommendations: N/A

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: None
Emergency Procedures: None

Containment Procedures: Minimize entry of material into sewers and drainage systems.
Absorb spill with inert material (earth, clay, commercial absorbent for oil) then place into container for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions: Although this material does not present a significant skin or eye concern, eye contact should be avoided as a general industrial practice. Gloves are not required. Wearing eye protection is recommended.

Recommendations: Store in original containers above -40°F and below 130°F.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Permissible Exposure Limits: Total dust 19.5 ppm, Respirable Fraction 6.5 mg/m³ OSHA 1910.1000 TABLE Z-1 Limits for Air Contaminants

Engineering Controls: When used indoors on a hot surface, control fumes with local exhaust ventilation.

Personal Protection: **Eyes:** Use safety glasses if there is a possibility for exposure.

Skin: None

Special Requirements: None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless
Odor: Mild characteristic
Molecular Weight: Not available
Specific Gravity: 1.2
Vapor Density: Not available
Freezing Point -51°F (-46°C)
Boiling Point 250°F (121°C)
Auto-Ignition Temperature 732°F (389°C)
Solubility: Soluble in cold water, hot water and alcohol.
Viscosity 25 cps @ 20°C



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SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Stable
Chemical Stability: Stable
Potential Hazards: No significant hazards expected
Conditions to Avoid: Avoid contact with incompatible materials
Incompatible Materials: Reactive with oxidizing agents
Hazardous Polymerization: Will not occur
Reactivity: Hygroscopic

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion
Potential Effects (if any): Detailed below
Eye Effects: Minimal, if any irritation on contact
Skin Effects: Non-toxic
Oral Effects: Tests on similar materials indicate low order of oral toxicity
Inhalation Effects: Low toxicity expected on inhalation
Chronic Health Effects: Not Classified
Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Teratogenicity: Not Classified
Sensitization: Not Classified

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: 75 ppm 96 hours (trout) extrapolated / 96-hour LC50 in Fathead Minnow (Pimephales Promelas) 65,670 mg/liter
Biodegradation products: None expected
Soil to Groundwater Motility: No data
Other Adverse Effects: No data

SECTION 13 – DISPOSAL CONSIDERATIONS

General Information: Dispose in accordance with all federal, state, and local regulations.
Disposal Containers, Methods: Landfill, incineration – Not a RCRA hazardous waste

SECTION 14 – TRANSPORT INFORMATION

UN Number: Not applicable
UN Proper Shipping Name: Not applicable
Transport Hazard Class: Not hazardous
Packing Group: Not applicable
Environmental Hazards: Not applicable
Bulk Transport Guidance: Not applicable
Special Precautions: Not restricted, not regulated, not hazardous & not dangerous to transport by air by IATA.

SECTION 15 – REGULATORY INFORMATION

Regulations: Canada DSL: Yes / EU EINECS / Yes / TSCA Yes
Uncontrolled product according to WHMIS classification criteria.
EU – CLP Annex VI Table 3.2 Classification, Labeling & Safety Phrases: not listed
HMIS (USA): US California Proposition 65: NOT listed

SECTION 16 – OTHER INFORMATION

SDS Preparation Date: 20 June 2019
Last Revision: January 6, 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.