SAFETY DATA SHEET

EchoPure™ Phased Array, Cold Weather, Warm Welds Ultrasonic Couplant

SECTION 1 – IDENTIFICATION

Product Name: EchoPure™ (all viscosities)
Recommended Use: Industrial Ultrasonic Couplant
-60° to 350°F (-51° to 176°C)
Restrictions on Use: For Industrial Use Only

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

SECTION 2 – HAZARDS

General Information: **EchoPure is not considered to be hazardous by OSHA HazCom 2012 Criteria.** Non-hazardous and non-dangerous in accordance with HOHSC criteria. EchoPure is composed of compounds having a vapor pressure less than 0.1 mm Hg at 20°C.

Emergency Overview:
Pictogram required: None
Color: Clear, Slight tint
Physical Sate: Medium to High Viscosity liquid
Odor: Nearly Odorless
Hazards: May cause allergic skin reaction in sensitive individuals.
Slippery

Potential Health Hazards:
Eye: May cause mild irritation.
Skin: Essentially nonirritating
Inhalation: Not applicable at room temperature. Vapor from high temperatures may cause irritation of upper respiratory tract.
Ingestion: Low toxicity, Ingredients are Generally Recognized as Safe for incidental food contact.
LABEL ELEMENTS ACCORDING TO OSHA HazCom 2012: NONE APPLICABLE

Chemical/ Common Name	CAS #	WT %	Hazard Limit
Alpha-Propylene Glycol	57-55-6	Less than 95 %	Not Applicable
Polymers	9004-34-6	Less than 5% No known impurities	Not Applicable

SECTION 4 – FIRST-AID MEASURES

General Information: Use good industrial hygiene including eye protection.

	Symptoms/Effects	Treatment Recommendations
Eyes:	Irritation	Flush eyes with plenty of water. Remove contacts after 1-2 minutes and continue flushing for several minutes.
Skin:	None expected	Remove with dry cloth or paper towel and rinse away residue with water.
Inhalation:	Irritation	If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.
Ingestion:	None expected	

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: All Types.
Specific Hazards from Combustion: None
Unusual Hazards: None
NFPA Rating: Health: 1, Fire: 0, Instability: 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilled material may cause a slipping hazard. Prevent entry into spill area by unauthorized persons.
Emergency Procedures: Keep unnecessary people away. Sprinkle with traction material if spill cannot be cleaned up immediately. Minimize entry of material into storm sewers and drainage systems.
Containment Procedures: Sweep or shovel spilled material into containers, wipe area with wet rags or hose with water to remove completely. EchoPure is slippery.

SECTION 7 – HANDLING AND STORAGE

Precautions: Skin and eye contact should be avoided as a general industrial practice. Gloves are not required, Wearing eye protection is recommended.
Incompatible chemicals: None Known
Release of chemical into environment: Clean up spill as best as possible the wash away with water.
Recommendations: Store in original closed containers in a cool, dry area, between 0 – 35° C (32 - 95° F) Keep away from children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Permissible Exposure Limits: None established
Threshold Value Limits: None established
Engineering Controls: None required
Personal Protection:
Eyes: Use safety glasses or other protection.
Skin: None required
Respiratory: Not required
Additional: It is good general practice to provide eyewash stations or rinse bottles.
Special Requirements: None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to slight tint medium to high viscosity liquid
Odor: Nearly Odorless
Odor Threshold: No data
Solubility: 100% in water
pH: 7-9
Viscosity: Low fluid to high viscosity
Flammable Limits: Non Flammable
Specific Gravity: 1.03
Vapor Pressure: Greater than 1
Vapor Density: No data
Relative Density: No data
Freezing point: Supercools
Boiling Point: 360F, 182C
Evaporation Rate: No data
Flammability: No data

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Flash Point:	220°F / 104°C
Auto-Ignition Temperature:	700°F / 371°C
Partition Coefficient:	No data
Volatile Organic Compounds (VOC):	Less than 1%

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Stable
Chemical Stability:	Stable
Stabilizers required:	None
Appearance change causing hazard potential:	None
Potential Hazards:	No significant hazards expected
Conditions to Avoid:	None
Incompatible Materials:	None known
Class of incompatible materials:	Not applicable
Hazardous Polymerization:	None known
Conditions causing potential hazard:	None
Hazardous Decomposition Products:	None known

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes and Effects of Exposure:	See section 2
Immediate:	See section 2
Delayed or Chronic:	Low potential
Symptoms:	None expected
Numerical measure of toxicology:	Not applicable
Carcinogenicity:	No evidence of being a carcinogen

SECTION 12 – ECOLOGICAL INFORMATION

Toxicology Data:	96-hour LC50 Rainbow Trout (Oncorhynchus Mykiss) 60,600 mg/liter
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
Sewage Disposal:	Small quantities generally permissible
Special precautions for landfills or incinerators:	None

SECTION 14 – TRANSPORT INFORMATION

UN Number and Proper Shipping Name:	Not assigned
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 nor listing under California Proposition 65.

SECTION 16 – OTHER INFORMATION

SDS Preparation Date:	12 October 2014
Last Revision:	04 January 2022
Changes from Last Revision:	Annual Review
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.