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  

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.

Overview:  
Color: Clear, Slight tint  
Physical State: Medium to High Viscosity liquid  
Odor: Nearly Odorless  
Hazard: May cause allergic skin reaction in sensitive individuals.

Potential  
Health Eye: May cause mild irritation.

Health 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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha-Propylene Glycol</td>
<td>57-55-6</td>
<td>Less than 95 %</td>
</tr>
<tr>
<td>Polymers</td>
<td>9004-34-6</td>
<td>Less than 5 %</td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST-AID MEASURES

General Information: Use good industrial hygiene including eye protection.

Eyes: Iritation  
Treatment Recommendations  
Flush eyes with plenty of water. Remove contacts after 1-2 minutes and continue flushing for several minutes.

Skin: None expected  
Treatment Recommendations  
Remove with dry cloth or paper towel and rinse away residue with water.

Inhalation: Iritation  
If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.

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.

Containment Procedures: Minimize entry of material into storm sewers and drainage systems. 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.

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

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
Freezing point: Supercools
Boiling Point: 360°F, 182°C
Evaporation Rate: No data
Flammability: No data
Flash Point: 220°F / 104°C
Auto-Ignition Temperature: 700°F / 371°C
Volatile Organic Compounds (VOC): Less than 1%

**SECTION 10 – STABILITY AND REACTIVITY**
- Reactivity: Stable
- Chemical Stability: Stable
- Potential Hazards: No significant hazards expected
- Conditions to Avoid: None
- Incompatible Materials: None known
- Hazardous Polymerization: None known
- Hazardous Decomposition Products: None known

**SECTION 11 – TOXICOLOGICAL INFORMATION**
- Likely Routes and Effects of Exposure:
  - Immediate: See section 2
  - Delayed or Chronic: Low potential
  - Symptoms: None expected
  - Carcinogenicity: No evidence of being a carcinogen

**SECTION 12 – ECOLOGICAL INFORMATION**
- Toxicology Data: Not expected to be acutely toxic to aquatic organisms
- Environmental Persistence/Degradation: Biodegradation is expected
- Bioaccumulation Potential: No bioaccumulation is expected
- Soil to Groundwater Motility: Not expected
- Other Adverse Effects: Not 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: 18 March 2020
- 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.