SAFETY DATA SHEET

CryoSonix™ Cryogenic Application
Ultrasonic Couplant

SECTION 1 – IDENTIFICATION

Product Name: CryoSonix™
Recommended Use: Industrial Ultrasonic Couplant
Restrictions on Use: For Industrial Use Only

Manufacturer: Echo Ultrasonics™ LLC
Address: 774 Marine Drive, Bellingham, WA 98225

SECTION 2 – HAZARDS

Potential Health Hazards:
- General Information: Emergency Overview:
  - Color: Clear, slight tint
  - Physical State: Medium viscosity gel
  - Odor: Nearly odorless

Hazard: May cause allergic skin reaction in sensitive individuals. Slippery
- Eye: May cause mild irritation.
- Skin: May cause mild irritation.
- Inhalation: Not applicable at room temperature. Vapor 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

SECTION 4 – FIRST-AID MEASURES

General Information: Use good industrial hygiene including eye protection.

- Eyes: Irritation
  - Symptoms/Effects: Remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
  - Treatment Recommendations: If irritation persists, seek medical attention.

- Skin: Irritant
  - Symptoms/Effects: Wash with plenty of running water and non-abrasive soap. Cover irritated skin with emollient.
  - Treatment Recommendations: If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.

- Inhalation: Irritation
  - Symptoms/Effects: Do not induce vomiting. Seek medical attention.

- Ingestion: Nausea, headache
  - Symptoms/Effects: Seek medical attention.
  - Treatment Recommendations: Do not induce vomiting. Seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES

- Suitable Extinguishing Equipment: Flammable liquid, soluble or dispersed in water. SMALL FIRE use dry chemical powder.
- Specific Hazards from Combustion: These products are carbon oxides (CO, CO2)
- 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.
- 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. CryoSonix is slippery.

SECTION 7 – HANDLING AND STORAGE

- Precautions: Keep away from heat and sources of ignition. Ground all equipment containing material. Skin and eye contact should be avoided as a general industrial practice. Gloves are not required. Wearing eye protection is recommended.
- Recommendations: Flammable materials should be stored in a separate safety storage cabinet or room. Store in original closed containers in a cool, dry area, between 0 – 15.5°C (32 - 60°F). Keep away from children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

  - Consult local authorities for acceptable exposure limits.
- Engineering Controls: Ventilation to keep airborne concentration of vapors below the threshold limit. Ensure eyewash stations are accessible.
- Personal Protection:
  - Eyes: Use safety glasses or other protection.
  - Skin: Gloves are recommended.
  - Respiratory: Vapor respirator optional.
- Special Requirements: Additional: It is good general practice to provide eyewash stations or rinse bottles.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Clear to slight tint, medium viscosity gel
- Odor: Alcoholic like
- Odor Threshold: No data
- Solubility: 100% in water

Emergency:

- 71-23-8
- 9004-34-6
pH: 7-9
Viscosity: Medium viscosity gel
Specific Gravity: 0.9
Vapor Pressure: 14.9 mm of Hg (@20°C)
Freezing Point: -126°C (-194.8°F)
Boiling Point: 97.22°C (207°F)
Evaporation Rate: No data
Flammability: Flammable
Flash Point: 23.3°C / 74°F CC
Auto-Ignition Temperature: 371°C (700°F)
Volatile Organic Compounds (VOC): Not available

SECTION 10 – STABILITY AND REACTIVITY
Reactivity: Stable
Chemical Stability: Stable
Potential Hazards: Flammable
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: Dermal contact, eye contact, inhalation, ingestion
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 available
Environmental Persistence/Degradation: The products of degradation are more toxic.
Bioaccumulation Potential: Not available
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 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: n-Propanol: UN1274 PG III
Transport Hazard Class: DOT Class 3: Flammable Gel
Packing Group: Not available
Environmental Hazards or Special Precautions: Not available
Bulk Transport Guidance: Not available
Special Precautions: Not available

SECTION 15 – REGULATORY INFORMATION
Regulatory Information Not Included Elsewhere:
Federal and State Regulations: Pennsylvania RTK: n-Propyl alcohol Massachusetts RTK: n-Propyl alcohol TSCA 8(b) inventory; n-Propyl alcohol OSHA hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200) WHMIS (Canada) CLASS B-2 Flammable liquid with a flash point lower than 37.8°C (100°F), CLASS D-2B. Material causing other toxic effects (TOXIC). DSCL (EEC) R11: Highly flammable. R38 – irritating to skin. R41 – Risk of serious damage to eyes. TSCA Inventory: All ingredients listed CEPA: All ingredients listed on DSL Section 311 SARA Title III/CERCLA HMIS (USA) Health Hazard: 1 Fire Hazard: 3 Reactive: 0 Personal Protection: h

SECTION 16 – OTHER INFORMATION
SDS Preparation Date: 06 March 2018
Last Revision: 18 March 2020
Changes from Last Revision: Annual Review

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.