

# CryoSoniX™ Couplant

## SECTION 1 – IDENTIFICATION

**Product Name:** CryoSoniX  
**Recommended Use:** Industrial Ultrasound Couplant  
**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:**  
**Emergency Overview:**



Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant), or ingestion, or inhalation. Inflammation of the eye is characterized by redness, watering and itching.

**Potential Health Hazards:**  
**Color:** Clear, slight tint  
**Physical State:** Medium viscosity gel  
**Odor:** Nearly odorless  
**Hazards:** 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

Component	CAS #	WT %
n-Propyl alcohol	71-23-8	95 %
Polymers	9004-34-6	5%

## SECTION 4 – FIRST-AID MEASURES

General Information:	Symptoms/Effects	Treatment Recommendations
<b>Eyes:</b>	Irritation	Remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
<b>Skin:</b>	Irritant	Wash with plenty of running water and non-abrasive soap. Cover irritated skin with emollient. If irritation persists, seek medical attention.
<b>Inhalation:</b>	Irritation	If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.
<b>Ingestion:</b>	Nausea, headache	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.  
**Emergency Procedures:** Keep unnecessary people away. Dilute with water and wipe up. Flammable liquid – keep away from sources of ignition.  
**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

**Permissible Exposure Limits:** TWA: 200 STEL: 250 (ppm) from ACGIH (TLV) (1995) TWA; 492 STEL 614 (mg/m3) from ACGIH 1995. 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:** Alcohol like  
**Odor Threshold:** No data  
**Solubility:** 100% in water



# SAFETY DATA SHEET

## CryoSoniX™ Couplant

**pH:** 7-9  
**Viscosity:** Medium viscosity gel  
**Specific Gravity:** 0.9  
**Vapor Pressure:** 14.9 mm of Hg (@20C)  
**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 :** Dermal contact, eye contact, inhalation, ingestion  
**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 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:**  
**Changes from Last Revision:**

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.