

Material Name: UltraSoniX™

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

UltraSoniX™

Product Use

Industrial Ultrasound Couplant

Restrictions on Use

For industrial use only.

Manufacturer Information

Echo Ultrasonics™ LLC

774 Marine Drive, Bellingham, WA 98225

Phone: 1-360-671-9121

Emergency Phone #: +1-813-248-0585

Section 2 - HAZARDS IDENTIFICATION

HSNO Hazard Classifications

None needed according to classification criteria

GHS Label Elements

Symbol(s)

None needed according to classification criteria

Signal Word

None needed according to classification criteria.

Hazard Statement(s)

None needed according to classification criteria.

Precautionary Statement(s)

Prevention

None needed according to classification criteria

Response

None needed according to classification criteria.

Storage

None needed according to classification criteria

Disposal

None needed according to classification criteria

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
57-55-6	1,2-Propylene glycol	<35
9003-01-4	Acrylic resin	<2
84812-94-2	Lauramino propionic acid	<4
7631-95-0	Sodium molybdate	<2

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Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Keep away from children and adults with dementia.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation or pain develops or persists.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Ingestion

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Symptoms: Immediate

No information on significant adverse effects.

Symptoms: Delayed

No information on significant adverse effects.

Indication of any immediate medical attention and special treatment needed

Keep away from children and adults with dementia.

Note to Physicians

Treat symptomatically and supportively.

Antidote

Give water or milk.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use foam, regular dry chemical, carbon dioxide, water spray.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Negligible fire hazard.

Hazardous Combustion Products

Oxides of carbon

Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Environmental Precautions

Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. Scoop spilled material into clean, dedicated equipment. Shovel or sweep up. Product is slippery. Clean floors and contaminated objects with water.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Do not eat, drink or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria

Store in original container. Keep from direct sunlight. Do not store at temperatures below 0 °C. Do not store above the following temperature: 35°C (95°F).

Incompatible Materials

None known.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

1,2-Propylene glycol	57-55-6
New Zealand:	150 ppm TWA particulates and vapour ; 474 mg/m3 TWA particulates and vapour ; 10 mg/m3 TWA particulates only
Sodium molybdate	7631-95-0
New Zealand:	5 mg/m3 TWA as Mo (related to Molybdenum soluble compounds)
ACGIH:	0.5 mg/m3 TWA as Mo respirable fraction (related to Molybdenum soluble compounds)

EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures

There are no biological limit values for any of this product's components.

New Zealand - Workplace Exposure Limits - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Engineering Controls

Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear safety glasses with side shields. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear suitable protective clothing. Wash contaminated clothing before reuse.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a negligible level, an approved respirator must be worn. Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Glove Recommendations

Wear suitable gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	light blue green high viscosity gel	Physical State	Not available
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Odor	mild	Color	light blue green
Odor Threshold	Not available	pH	8
Melting Point	Not applicable	Boiling Point	102 C
Boiling Point Range	Not available	Freezing point	-15 C
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	>148.89 °C	Flash Point	>148.89 °C
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not applicable
Vapor Density (air=1)	1	Specific Gravity (water=1)	Not available
Water Solubility	100 %	Partition coefficient: n-octanol/water	Not available
Viscosity	160000 cps (Brookfield)	Solubility (Other)	Not available
Density	1.1 - 1.4 g/cc	Physical Form	high viscosity , gel
VOC	<1.5 % (calculated)	Molecular Weight	Not available

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Will not occur.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous decomposition products

Oxides of carbon

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

High vapor concentrations may cause upper respiratory tract irritation.

Skin Contact

No information on significant adverse effects.

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Eye Contact

May cause irritation.

Ingestion

No information on significant adverse effects.

Acute and Chronic Toxicity

No data available.

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

1,2-Propylene glycol (57-55-6)

Oral LD50 Rat 20 g/kg

Dermal LD50 Rabbit 20800 mg/kg

Acrylic resin (9003-01-4)

Oral LD50 Rat 2500 mg/kg

Sodium molybdate (7631-95-0)

Oral LD50 Rat 4000 mg/kg

Inhalation LC50 Rat >2080 mg/m³ 4 h

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Immediate Effects

High vapor concentrations may cause upper respiratory tract irritation. May cause eye irritation.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

High vapor concentrations may cause upper respiratory tract irritation. May cause eye irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Component Carcinogenicity

Acrylic resin	9003-01-4
IARC:	Supplement 7 [1987] ; Monograph 19 [1979] (Group 3 (not classifiable))
Sodium molybdate	7631-95-0
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (related to Molybdenum soluble compounds)

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

Keep away from children and adults with dementia.

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Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Not expected to be toxic to aquatic/soil organisms.

Component Analysis - Aquatic Toxicity

1,2-Propylene glycol	57-55-6
Fish:	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static]; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static]; LC50 96 h Pimephales promelas 51400 mg/L [static]; LC50 96 h Pimephales promelas 710 mg/L
Algae:	EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L [Static] EPA
Acrylic resin	9003-01-4
Fish:	LC50 96 h Lepomis macrochirus 580 mg/L

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

no bioaccumulation expected.

Mobility in soil

No information available for the product.

Other adverse effects

No data available

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 - TRANSPORT INFORMATION

ADG Information:

No Classification assigned.

IATA Information:

Additional information: Not regulated as a hazardous material.

ICAO Information:

Additional information: Not regulated as a hazardous material.

IMDG Information:

Additional information: Not regulated as a hazardous material.

Component Marine Pollutants (IMDG)

Not regulated as dangerous goods.

This material contains one or more of the following chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

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1,2-Propylene glycol	57-55-6
IBC Code:	Category Z
Acrylic resin	9003-01-4
IBC Code:	Category Z (solution, <=40%)

Additional information

Not regulated as a hazardous material

Section 15 - REGULATORY INFORMATION

New Zealand Regulations

Priority List of Hazardous Substances

None of this product's components are on the list

Ambient Air Quality Standards

None of this product's components are on the list

Ozone Depleting Substances

None of this product's components are on the list

Component Analysis - Inventory

1,2-Propylene glycol (57-55-6)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

Acrylic resin (9003-01-4)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

Lauramino propionic acid (84812-94-2)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	No	No	Yes	No	No	Yes

Sodium molybdate (7631-95-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

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Water (7732-18-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New SDS : 06/22/2016

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL - Korea Existing Chemicals List; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

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