

# Safety Data Sheet

Material Name: UltraSoniX™ HV

SDS ID: CAT-001

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

<b>Material Name</b> UltraSoniX™ HV	<b>Gough CAT, a division of Gough Group Ltd.</b> 16 Branston Street,
<b>Product Use</b> Industrial Ultrasound Couplant	P.O. Box 16-168
<b>Restrictions on Use</b> For industrial use only.	Christchurch 8441
<b>Manufacturer Information</b> Echo Ultrasonics™ LLC 774 Marine Drive, Bellingham, WA 98225 Phone: 1-303-893-1322 Emergency Phone #: +1 303-893-1322	New Zealand  Emergency Response: 111 National Poisons Centre: 0800 764 766 Product Information: 0800 933 939 General Contact Number: 03 983 2333 Web: <a href="http://goughcat.co.nz">goughcat.co.nz</a>

## 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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SDS ID: CAT-001

## 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.

# Safety Data Sheet

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SDS ID: CAT-001

## 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

<b>1,2-Propylene glycol</b>	<b>57-55-6</b>
New Zealand:	150 ppm TWA particulates and vapour ; 474 mg/m3 TWA particulates and vapour ; 10 mg/m3 TWA particulates only
<b>Sodium molybdate</b>	<b>7631-95-0</b>
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

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

# Safety Data Sheet

Material Name: UltraSoniX™ HV

SDS ID: CAT-001

## 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/m<sup>3</sup> 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.

# Safety Data Sheet

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SDS ID: CAT-001

## Section 12 - ECOLOGICAL INFORMATION

### Ecotoxicity

Not expected to be toxic to aquatic/soil organisms.

### Component Analysis - Aquatic Toxicity

<b>1,2-Propylene glycol</b>	<b>57-55-6</b>
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
<b>Acrylic resin</b>	<b>9003-01-4</b>
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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SDS ID: CAT-001

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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**SDS ID: CAT-001**

**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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