ECHO ultrasonics

SAFETY DATA SHEET
VERSASONIC® Multipurpose High Temperature Ultrasonic Couplant

SECTION 1 – IDENTIFICATION

Product Name: VersaSonic® (all viscosities)
Recommended Use: Industrial Ultrasonic Couplant
Operating range: -10° to 700°F (-23° to 371°C)
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

Hazard Status: VersaSonic is not considered hazardous by OSHA HazCom 2012 Criteria. Non-hazardous and non-dangerous in accordance with NOHSC criteria and ADG Code (Australia)

Emergency Overview:
Color: Pale yellow
Physical Sate: Grease
Odor: Mild characteristic odor
Hazards: Slippery

Potential Health Hazards:
Eye: May cause slight irritation.
Skin: None expected
Inhalation: No adverse effects expected.
Ingestion: No adverse effects expected. Non-toxic.

LABEL ELEMENTS ACCORDING TO OSHA HazCom 2012 : NONE APPLICABLE

SECTION 3 – COMPOSITION/INGREDIENTS

Component	CAS #	WT %
Oilseed Plant based ester	9083-41-4	>90%
Silicon dioxide thickening agent	99439-28-8	<10%

SECTION 4 – FIRST-AID MEASURES

General Information: This product has been formulated to be benign with reference to Australian regulatory standards NOHSC and ADG. During use on hot surfaces, product may become hot. Take precautions to avoid burns.

	Symptoms/Effects	Treatment Recommendations
Eyes:	Irritation	Flush with water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.
Skin:	None expected	Wash with soap and water.
Inhalation:	Irritation (from fumes)	If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.
Ingestion:	Abdominal cramping	Get medical attention if symptoms persist.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: CO_2, dry chemical, alcohol foam. Avoid high-pressure water jet.
Specific Hazards from Combustion: During a fire, smoke may contain the original material in addition to combustion products, which may be toxic or irritating. Combustion products may include and are not limited to carbon monoxide and carbon dioxide.
Unusual Hazards: Combustible materials impregnated with this product may spontaneously ignite.
Fire Fighting Procedures: Keep people away. Fight fire from a safe distance with adequate ventilation, or wear positive pressure self-contained breathing apparatus and protective clothing. Using water can cause frothing with increase of fire intensity.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spills may be slippery. Prevent entry into spill area by unauthorized persons.
Emergency Procedures: Sprinkle inert, non-slip material onto spill if it cannot be cleaned up immediately. Minimize entry of material into sewers and drainage systems.
Containment Procedures: Absorb spill with inert material (earth, clay, commercial absorbent for oil) then place into container for disposal. Do not use combustible material (such as sawdust) as an absorbent.

SECTION 7 – HANDLING AND STORAGE

Precautions: Although this material does not present a significant skin or eye concern, skin and eye contact should be avoided as a general industrial practice. Gloves are not required, but may be desirable for repeated or long term contact. Wearing eye protection is recommended. Wash hands and contaminated skin after handling. Combustible materials such as sawdust and rags impregnated with this material may spontaneously ignite.
Recommendations: Store in original containers in a cool dry place away from strong oxidizers and acids. Store above -9° C (15° F). Keep away from children and adults with dementia.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Permissible Exposure Limits: None established
Engineering Controls: When used indoors on a hot surface, control fumes with local exhaust ventilation.
Personal Protection:
Eyes: Use safety glasses if there is a possibility for exposure.
Skin: Wear impervious gloves as needed. Wear impervious heat insulated gloves when working with hot material.
Respiratory: Wear MIOSH/MSHA approved air purifying respirator as needed to control exposure to smoke or fumes generated during use. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Follow respiratory protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
Additional: It is good general practice to provide eyewash stations or rinse bottles.
Special Requirements: None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow grease
Odor: Mild characteristic

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Solubility:	Insoluble in water
pH:	N/A
Viscosity:	High viscosity: 80.54 Pa.s. at a shear rate of 2.9 seconds (TA Rheometer) Medium viscosity 29.25 Pa.s at a shear rate of 2.25 seconds (TA Rheometer)
Flammable Limits:	**Upper Explosive Limit:** N/A; **Lower Explosive Limit:** N/A
Vapor Pressure:	<0.001 Torr at 25°C
Vapor Density:	>1
Relative Density:	~0.95 (water = 1)
Melting Point:	-26° C (-15° F)
Freezing Point:	-26° C (-15° F)
Boiling Point:	>300° C (>590° F)
Evaporation Rate:	<1% at 100°C
Flammability:	Non-Flammable by WHMIS/OSHA/NOM-018-STPS 2000 criteria
Auto-Ignition Temperature:	By ASTM E-659: 788°F (420°C)
Operating Range:	-10°F to 700°F (-23°C to 371°C)

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Stable
Chemical Stability:	Stable
Potential Hazards:	No significant hazards expected.
Conditions to Avoid:	Keep from contact with strong oxidizers.
Incompatible Materials:	Can react vigorously with oxidizing materials.
Hazardous Polymerization:	Not prone to hazardous polymerization.
Hazardous Decomposition Products:	Products of incomplete combustion may include CO, CO2, and dense smoke.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes and Effects of Exposure:	See section 2
Immediate:	See section 2
Delayed, Chronic, Symptoms:	No data
Carcinogenicity:	No data
Other:	Skin irritation, human: 48 hour patch test of main ingredient – not irritating

SECTION 12 – ECOLOGICAL INFORMATION

Toxicology Data:	Not available
Environmental Persistence/Degradation:	Biodegradable
Bioaccumulation Potential:	None expected
Soil to Groundwater Motility:	No data
Other Adverse Effects:	No data

SECTION 13 – DISPOSAL CONSIDERATIONS

General Information:	All disposal practices must be in compliance with all federal, state, and local regulations.
Disposal Containers, Methods:	Use clean, impervious container. Landfill, incineration

SECTION 14 – TRANSPORT INFORMATION

UN Number/Proper Shipping Name:	Not applicable
Transport Hazard Class:	Not hazardous
Packing Group:	Not applicable
Environmental Hazards:	Not applicable
Bulk Transport Guidance:	Not applicable
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** **NO HSC, ADG (Australia)** **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 December 2012
Last Revision:	21 August 2018
Changes from Last Revision:	Minor corrections to text
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.