



SAFETY DATA SHEET

Echo 8 ZH™ High Impedance, High Temperature Couplant

SECTION 1 – IDENTIFICATION

Product Names: Echo 8 ZH High Impedance, High Temperature Couplant
Recommended Use: Ultrasonic Couplant, fluid
Restrictions on Use: For Industrial Use Only

Manufacturer: Echo Ultrasonics®
774 Marine Drive, Bellingham, WA
Emergency: US: 1-800-255-3924
Outside US: +1-813-248-0585

Australian Distributor: **Russell Fraser Sales Pty Ltd**
7/38 Waratah Street, Kirrawee, NSW, 2232, AUS
Phone: 02 9545 4433 (9am-5pm AEST - Calls are diverted after hours). **Poisons Information Centre: 13 11 26** from anywhere in Australia (0800 764 766 in New Zealand).

SECTION 2 – HAZARDS

Hazard Status: Echo 8ZH is not considered hazardous by OSHA HazCom 2012 Criteria
Color: colorless
Physical State: paste, white
Odor: none
Emergency Overview: **Hazards:** Slippery
Eye: May cause slight irritation.
Potential Health Hazards: **Skin:** Extended contact may cause slight irritation in sensitive individuals.
Inhalation: No adverse effects expected.
Ingestion: No adverse effects expected.
LABEL ELEMENTS ACCORDING TO OSHA HazCom 2012: NONE APPLICABLE

SECTION 3 – COMPOSITION/INGREDIENTS

This is not a hazardous material as defined in the OSHA Hazard communication Standard	Component	CAS #	WT %
	Silicone Fluid blend	9006-65-9	>80%
	Silicone Dioxide	112945-52-5	<5%
	Metal Oxides	Trade Secret	<30%

SECTION 4 – FIRST-AID MEASURES

General Information: This product has been formulated to be benign. During use on hot surfaces, product may become hot. Take precautions to avoid burns.

Eyes:	Symptoms/Effects: Slight irritation	Treatment Recommendations: Flush with water holding eyelids apart. Get medical attention if irritation or other symptoms occur.
Skin:	None expected	Wash with soap and water. Get medical attention if irritation develops or persists.
Inhalation:	No irritation expected	
Ingestion:	None expected	Low ingestion hazard

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Equipment: CO2, 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 irritating. Combustion products may include and are not limited to carbon monoxide, carbon dioxide and metal oxides.
Recommendations: 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.
Recommendations: Store in original containers.
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.
Special Requirements: None



SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste
Odor: Mild to none
Odor Threshold: No data
Solubility: Insoluble in water
Viscosity: Paste, Greater than 500,000 cP
Relative Density: 2.20
Freezing point: 0°F (-17.8°C)
Evaporation Rate: Not determined
Flash Point: 600° F (315°C)
Partition Coefficient: No data
Auto-Ignition Temperature: 800° F (425° C)
Decomposition Temperature: No data

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Stable
Chemical Stability: Stable
Potential Hazards: No significant hazards expected.
Conditions to Avoid: None
Incompatible Materials: None
Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: See section 2
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
Bioaccumulation Potential: Non expected
Soil to Groundwater Motility: No data
Other Adverse Effects: No data

SECTION 13 – DISPOSAL CONSIDERATIONS

General Information: Dispose in accordance with all federal, state, and local regulations.
Use clean, impervious container.
Disposal Containers, Methods: Landfill, incineration

SECTION 14 – TRANSPORT INFORMATION

UN Number: Not applicable
UN 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 or exempt from listing
CEPA: All ingredients listed on DSL
Section 311 SARA Title III/CERCLA
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: 4 March 2014
Last Revision: June 13, 2017
Changes from Last Revision: Modified Emergency Contact Information
Other Information:

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.