



Echo 8 HT™ High Temperature Couplants

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Names: Echo 8 HT™ High Temperature Couplant
Recommended Use: Ultrasonic Couplant, fluid
-50° to 800°F (-45 to 425°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: Not hazardous by OSHA HazCom 2012 criteria.
Pictograms required: None
Color: Colorless
Physical State: Liquid, low viscosity
Odor: None
Hazards: Slippery
Emergency Overview:
Potential Health Hazards: **Eye:** May cause slight irritation.
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

Chemical/ Common Name	CAS #	WT %	Hazard Limit
Methylphenyl Polysiloxane Fluid Blend	68083-14-7	>98% No known impurities	Not Applicable

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.

Symptoms/Effects **Treatment Recommendations**

Eyes: Slight irritation
Flush with water holding eyelids apart. Get medical attention if irritation or other symptoms occur. Wash with soap and water. Get medical attention if irritation develops or persists.

Skin: None expected
If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.

Inhalation: No irritation expected
Keep away from children and adults with dementia

Ingestion: None known

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 and carbon dioxide.
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: Colorless
Odor: Mild characteristic
Odor Threshold: No data
Solubility: Insoluble in water
Viscosity: 400 – 600 cps
Relative Density: 1.07
Freezing point: -50°F (-45°C)
Evaporation Rate: <1% at 100°C
Flash Point: 600° F (315°C)



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Partition Coefficient: No data
Auto-Ignition Temperature: 850° F (454° 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: Strong oxidizing agents
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat may evolve the following hazardous decomposition products: carbon oxides and traces of incompletely burned carbon compounds, silicone dioxide, formaldehyde.

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: No bioaccumulation is 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 and Proper Shipping Name: Not assigned; not regulated by U.S. DPT
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.
Not hazardous by OSHA HazCom 1012 criteria nor listing under California Proposition 65.

SECTION 16 – OTHER INFORMATION

SDS Preparation Date: 4 March 2014
Last Revision: January 3, 2022
Changes from Last Revision: Annual Review
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.