



# Echo 8 HT™ High Temperature Couplants

## 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.  
**Color:** Colorless  
**Physical State:** Liquid, low viscosity  
**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

Component	CAS #	WT %
Methylphenyl Polysiloxane Fluid Blend	68083-14-7	>98%

## 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
<b>Eyes:</b> Slight irritation	Flush with water holding eyelids apart. Get medical attention if irritation or other symptoms occur.
<b>Skin:</b> None expected	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation:</b> No irritation expected	If exposed to excessive vapors or mists, remove to fresh air and get medical attention if cough or other symptoms develop.
<b>Ingestion:</b> None known	Keep away from children and adults with dementia

## 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)  
**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:** 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:** None 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 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.  
**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:** 18 March 2020  
**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.*