



**MATERIAL SAFETY DATA SHEET**

350 RING ROAD ELIZABETHTOWN, KY 42701 (270) 769-5557 (270) 769-6418

**SILICONE HEAT TRANSFER COMPOUND  
PART NOS. 49640, 49643, 49644**

**SECTION I – IDENTITY INFORMATION**

Chemical Name : Dimethyl Polysiloxane

**SECTION II – HAZARDOUS INGREDIENTS**

<u>HAZARDOUS INGREDIENTS</u>	<u>CAS #</u>	<u>ACGIH TLV</u> <u>TWA</u> <u>STEL</u>	<u>OSHA PEL</u> <u>TWA</u> <u>STEL</u> <u>UNITS</u>	<u>WGT %</u>
NONE				

*This is a solid mixture. No significant hazards are expected under normal conditions of handling and use. Refer to specific information throughout this MSDS.*

**SECTION III – PHYSICAL DATA**

Boiling Point	: N/A (F) N/A (C)
Specific Gravity (Water =1)	: 2.3±.02
Penetration	: 260-320
Melting Point	: N/A (F) N/A (C)
Vapor Pressure (20 <sup>0</sup> C) (MM Hg)	: N/A
Vapor Density (Air = 1)	: N/A
Percent Volatile by Volume	: <1
Evaporation Rate (Butyl Acetate=1)	: Negligible
Solubility in Water (20 <sup>0</sup> C)	: Insoluble
Freezing Point	: N/A (F) N/A (C)
Odor Threshold	: N/A
Density	: >1
pH	: N/A
Appearance and Odor	: Solid white, essentially odorless paste.

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

Flash Point	: N/A (F) N/A (C)
Ignition Temp.	: Unknown (F) Unknown (C)
Flammable Limits in Air (%)	: Lower - N/A Upper - N/A
Extinguishing Media	: All standard fire fighting media.
Special Fire Fighting Procedures	: Wear self-contained breathing apparatus and full protective equipment.

## SECTION V - HEALTH HAZARD DATA

### SIGNS & SYMPTOMS OF EXPOSURE:

Ingestion	: None known.
Skin Contact	: A mild skin irritant.
Inhalation	: A dust hazard may occur if silica is separated from the mixture.
Eye Contact	: May cause moderate eye irritation.
Medical Conditions Aggravated	: None known.
Chronic Effects	: This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.
Principle Route(s) of Exposure	: Eyes.
Other	: This product contains methylpolysiloxane which can generate formaldehyde at approximately 300 <sup>0</sup> F (150 <sup>0</sup> C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

### EMERGENCY AND FIRST AID PROCEDURES:

Eyes	: In case of contact, flush immediately with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin	: Wash with soap and water.
Inhalation	: None known.
Ingestion	: None known.
Note to Physician	: None known.

## SECTION VI – REACTIVITY DATA

Stability	: Stable
Hazardous Polymerization	: Will Not Occur.
Hazardous Decomposition/Combustion	
Products	: Carbon monoxide, carbon dioxide, silicon dioxide, and formaldehyde.
Incompatibility (Material to Avoid)	: None known
Conditions to Avoid	: None known.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released	
or Spilled	: Scrape, sweep or gather up material and put in a container for disposal.
Disposal Method	: Bury in a licensed landfill in accordance with Federal, State and Local Regulations.

## SECTION VIII – HANDLING AND STORAGE

Precautions to be Taken in Handling and

Storage : Store at ambient temperatures, preferably  
65<sup>0</sup>F to 85<sup>0</sup>F.

## SECTION IX – PERSONAL PROTECTION/EXPOSURE CONTROLS

Respiratory Protection : None known.  
Protective Gloves : Cloth or rubber glove.  
Eye and Face Protection : Safety glasses.  
Engineering Controls : None

## SECTION X – TOXICOLOGICAL INFORMATION

TOXICITY:

Acute Oral LD<sub>50</sub> : Not tested  
Acute Dermal LD<sub>50</sub> : Not tested  
Acute Inhalation LD<sub>50</sub> : N/A

## SECTION XI – ECOLOGICAL INFORMATION

Ecotoxicological Information : None known  
Chemical Fate Information : None known

## SECTION XII – REGULATORY INFORMATION

DOT Shipping Name : Not DOT regulated  
DOT Hazard Class : None  
DOT Label(s) : None  
UN/NA Number : None

### **US FEDERAL REGULATIONS:**

SARA Hazard Class (Section 311, 312) : None  
SARA Section 313 : None  
TSCA : All ingredients are on the TSCA inventory.

## SECTION XIII – HAZARD COMMUNICATION CODES

HMIS RATINGS:

Flammability : 0  
Reactivity : 0  
Health : 0

NFPA RATINGS:

Flammability : 0  
Reactivity : 0  
Health : 0

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