



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 (20⁰C) (MM Hg) : N/A
Vapor Density (Air = 1) : N/A
Percent Volatile by Volume : <1
Evaporation Rate (Butyl Acetate=1) : Negligible
Solubility in Water (20⁰C) : 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 ⁰ F (150 ⁰ 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
65⁰F to 85⁰F.

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 LD₅₀ : Not tested
Acute Dermal LD₅₀ : Not tested
Acute Inhalation LD₅₀ : 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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