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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME ON LABEL: DPDM-400 High Temperature Silicone Heat Transfer Fluid

CHEMICAL NAME: Diphenyl-Dimethylpolysiloxane

CHEMICAL FAMILY: SILICONE FLUID

Synonyms: Dimethyl-Diphenylsiloxane, methylphenylsiloxane, Diphenylsiloxane-Dimethylsiloxane

HMIS CODES HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV OSHA PEL
Diphenyl-dimethylsiloxane	68083-14-7	100	not established

Boiling Point: Not Applicable

Specific Gravity: 1.07 (25°C)

Vapor Density, air = 1: NA

Evaporation rate: Negligible (Butyl Acetate=1)

Appearance & Color: Colorless, transparent

PHYSICAL DATA

Melting Point: Not Applicable

Vapor Pressure: Negligible (25°C)

Solubility in water: Not Soluble (<1 ppm)

Viscosity: 400cSt

FIRE & EXPLOSION DATA

Flash Point (method used):

>300°C (Open cup)

>94°C (Closed cup)

Flammability Limits: LEL: NA UEL: NA

Extinguishing Media: Foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Not required.

Unusual Fire and Explosion Hazards: None

ENVIRONMENTAL INFORMATION

Step to be taken in case material is released or spilled: Contain the spill or leak. Scrape up with cardboard or rag and place in container.

Recommended Disposal: Can be burned in a chemical incinerator equipped with an afterburner and scrubber.

Do not dispose the emptied container unlawfully.

Observe all federal, state and local laws.

HEALTH HAZARD DATA

Eye Contact: May cause slight eyes irritation.

Skin contact: May cause slight skin irritation, but no significant effect.

Ingestion: Low harmful

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes.

SKIN: Remove product from skin with dry cloth or towel, and wash exposed area with detergent.

INGESTION: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

REACTIVITY DATA

Stability: Stable
Conditions to avoid: None.
Incompatibility (material to avoid): None
Hazardous Decomposition or By- Products: None
Hazardous Polymerization: Will not occur

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. If operating at temperatures above 175°C, ventilation is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor respirator.
Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.
Acute Toxicity (LD50): LD50 (Oral.Rat) : >5g/kg
Chronic Toxicity: No information is available
Carcinogenicity: NTP: Not listed, IARC: Not listed, OSHA Regulated: Not listed
Other Information: This product can generate formaldehyde at approximately 150 degrees C (300F) and above in the presence of air. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. So, use adequate ventilation or wear protective equipment such as gloves, goggles or protective clothing when this product is heated at approximately 150 degrees C (300F) and above in the presence of air.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

UN No: None
IMO Classification and Class: None
Packaging Group: None
Proper Shipping Name: None
Technical Shipping Name: None
Marine Pollutant: None
DOT Reportable Quantity (RQ):
Hazard Substance (s) Name/ (CAS No.), Contents and RQ Not applicable

Prepared by safety and environmental affairs ISSUE DATE: 9/1/2009
SUPERSEDES:

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