

Material Safety Data Sheet
**DPDM-400 High Temperature
Silicone Heat Transfer Fluid**



Data Prepared: October 15th, 2014

SECTION I: PRODUCT INFORMATION

Product Name: DPDM-400 High Temperature Silicone Heat Transfer Fluid

Provided by: CLEARCO PRODUCTS CO. INC.,
3430 G. Progress Drive
Bensalem, PA 19020 U.S.A.

Telephone No: 001 215 639-2640
Fax No: 001 215 639-2919
E-mail: info@clearcoproducts.com
Website: www.clearcoproducts.com

Emergency Telephone: CHEM TEL: 1-800-255-3924 (DOMESTIC)
+01-813-248-0585 (INTERNATIONAL)

General Description: Silicone Fluid, Diphenyldimethylsiloxane
Physical Form: Liquid
Color: Colorless
Odor: Characteristic Odor

SECTION II: INGREDIENT INFORMATION

<u>INGREDIENT</u>	<u>CAS#</u>	<u>%WT.</u>
Diphenyl-Dimethylsiloxane	68083-14-7	100

Comments: Any components listed above are hazardous as defined in 29 CFR 1910.1200 or provided as an informational aid.

SECTION III: HAZARDOUS IDENTIFICATION

EYE CONTACT: May cause slight eye irritation

SKIN CONTACT: Single, prolonged exposure (hours) causes no known effect. Several repeated, prolonged exposures might cause slight irritation.

INHALATION: No irritation to nose or throat expected

INGESTION: No known, adverse chronic health effects, but unnecessary exposure to any chemical should be avoided. This product, as with any chemical, may enhance allergic conditions, on certain people. There are no known, medical conditions that might be aggravated by exposure to this product.

SECTION IV: HEALTH INFORMATION & PROTECTION

EYE CONTACT: Flush eyes with large amounts of water for at least 15 minutes or until irritation subsides. If irritation persist, get medical attention.

SKIN CONTACT: Flush eyes with large amounts of water, use soap if available. Remove grossly contaminated clothing, including shoes. Launder before reuse.

INHALATION: Non-aerosol is not a problem. In aerosol form it could result in respiratory irritant toxicity.

INGESTION: If swallowed, immediately rinse mouth and drink plenty of water. Keep person under observation. Never give anything by mouth to an unconscious person. If person becomes uncomfortable, CONSULT A PHYSICIAN.

SECTION V: FIRE & EXPLOSION HAZARD

FLASHPOINT: >94°C (>201.2 °F) Method: Closed Cup
>300°C (>572 °F) Method: Open Cup

FLAMMABLE LIMITS: Not applicable

FIRE FIGHTING:

On large fires use dry chemical, foam or water spray. On small fires, use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to coll fire-exposed containers.

HAZARDOUS DECOMPOSITION PRODUCTS:

None.

SECTION VI: SPILL CONTROL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain the spill or leak. Mop up, wipe up, or soak up with absorbent and contain for salvage and disposal. For large spills, provide diking or other appropriate containment to keep material from spreading. Transfer liquids and solid material used to create dikes, into suitable containers for recovery or disposal and dispose of per government regulations. Keep spills and all cleaning runoff efforts out of municipal sewers and open bodies of water.

Observe all personal protection equipment recommendations described in Section VIII.

SECTION VII: HANDLING AND STORAGE

PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use
Store in a cool place
Keep away from heat and flame
Do not lay container on its side
Avoid contact with eyes and skin
Keep out of reach of children

**** Information about the empty container ****

Do not re-use this container

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ACGIH TLV-TWA: Not established
OSHA PEL: Not established

RESPIRATORY PROTECTION: See section XI for Other Information

LOCAL EXHAUST: See section XI for Other Information

MECHANICAL: See section XI for Other Information

PROTECTIVE GLOVES:

Plastic firm or rubber gloves

EYE PROTECTION:

Safety glasses as a minimum

WORK/HYDIENIC PRACTICES:

Avoid eye contact. Eyewash and safety showers should be in close proximity to point of product usage. Washing at mealtime and end of shift is adequate.

SECTION IX: TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity:	1.07 @ 25°C (77°F)
Boiling Point:	N/A
Vapor Pressure:	Negligible @ 25°C (77°F)
Evaporation Rate:	Negligible (Butyl Acetate =1)
Appearance (color):	Colorless, transparent
Appearance (form):	Fluid
Odor:	Odorless
Water Solubility:	Not Soluble

SECTION X: STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Materials to avoid:	None
Conditions to avoid:	None

SECTION XI: TOXICOLOGICAL INFORMATION

Eye Irritation
May cause slight irritation

Skin Irritation
Patch Test (24 Hr/Open): Almost Negative (1%)

Acute Toxicity (LD50)
LD50 (Oral/Rat): >5g/kg

Acute Toxicity (LC50)
N/A

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 300°F(150°C) and above atmospheric conditions. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. So, use with adequate ventilation or wear protective equipment such as gloves, goggles or protective clothing when this product is heated above 300°F(150°C) in the presence of air.

SECTION XII: ECOLOGICAL INFORMATION

Complete information is not available

SECTION XIII: DISPOSAL CONSIDERATIONS

Do not dispose the emptied container unlawfully. Observe all federal, state, and local laws.

SECTION XIV: TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Proper Shipping Name: None

Packing Group: None
Hazard Technical Name: None
Hazard Class: None

UN/NA Number: None
R.C.R.A. Hazard Class (if discarded): None
E.P.A. Priority Pollutants: None

SECTION XV: REGULATORY INFORMATION

Call Clearco Products Co Inc, (215) 639-2640, if additional is required.

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EINECS Status: All chemicals found in this product are listed.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355):
None

Section 304 CERCLA Hazardous Substances (40 CFR 302):
None

Section 311/312 Hazard Class (40 CFR 370):

Acute: No
Chronic: No
Fire: No
Pressure: No
Reactive: No

Section 313 Toxic Chemicals (40 CFR 372):
None present or none present in regulated quantities

California Proposition 65:

This regulation requires a warning for California Proposition 65 Chemical (s) under the statute.

The California Proposition 65 Chemical (s) contained in this product are:

CHEMICAL NAME/ (CAS NO.) AND CONTENTS: **None**

SECTION XVI: OTHER INFORMATION

This material safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance product. Clearco Products Co Inc, provides no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.