

# SAFETY DATA SHEET

## DPDM-400 Diphenyl Silicone Fluid

Data Prepared: July 18, 2025



### 1. Product and company identification

**Product Name:** DPDM-400  
**Synonym:** Polysiloxane; Dimethyl Diphenylsiloxane Copolymer Silanol Terminated; Dimethyldiphenylsiloxane; Siloxanes and Silicones, dimethyl, diphenyl, Polysiloxanes, dimethyl, diphenyl, Siloxanes and silicones di-Me, Di-Ph Methylphenylpolysiloxane  
**Material Uses:** Industrial applications: Manufacture of cosmetics, Manufacture of personal care products.  
**Provided by:** CLEARCO PRODUCTS CO. INC.,  
15 York Road  
Willow Grove, PA 19090 U.S.A.  
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+01-813-248-0585 (INTERNATIONAL)  
Contract# MIS0001670

### 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

**Classification of the Substance or mixture** : Not classified.

**GHS label elements**

**Signal word** : No signal word

**Hazard statements** : No known significant effects or critical hazards

**Precautionary statements**

**Prevention** : Not applicable

**Response** : Not applicable

**Storage** : Not applicable

**Disposal** : Not applicable

**Hazards not otherwise classified** : None known

See toxicological information (Section 11)

### 3. Composition/information on ingredients

**Substance/mixture** : Substance

**Chemical name** : Siloxanes and Silicone, di-ME, di-Ph

**Other means of identification** : Polysiloxane, Dimethyl Diphenylsiloxane Copolymer Silanol Terminated; Dimethyldiphenylsiloxane, Siloxanes and silicones, dimethyl, diphenyl; Polysiloxanes, dimethyl, diphenyl; Siloxanes and silicone di-Me, Di-Ph Methylphenylpolysiloxane

Ingredient name	%	CAS number
Siloxanes and Silicones, di-Me, di-Ph	60-100	68083-14-7

Any concentration shown as a range is to protect confidentiality or due to batch variation.

#### Additional information

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting this section.

Occupational exposure limits, if available, are listed in section 8.

## 4. First aid measures

### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

**Skin contact** : Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact : No known significant effects or critical hazards

Inhalation : No known significant effects or critical hazards

Skin contact : No known significant effects or critical hazards

Ingestion : No known significant effects or critical hazards

#### Over-exposure signs/symptoms

Eye contact : No specific data

Inhalation : No specific data

Skin contact : No specific data

Ingestion : No specific data

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically, contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## 5. Fire-fighting measures

### Extinguishing media

**Suitable** : Use an extinguishing agent suitable for the surrounding fire.

**Not suitable** : None known

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Formaldehyde

<b>Special protective actions for fire-fighters</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Flash point</b>	: Closed cup: >94C (>201.2F) Open Cup: 300C (572F)

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel."

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Small Spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergent contact information and Section 13 for waste disposal.

## 7. Handling and storage

### Precautions for safe handling

**Protective measures** : Keep away from heat and flame. Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage including any incompatibilities** : Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation in some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical product is a risk assessments indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.  
**Color** : Colorless  
**Odor** : Odorless  
**Odor threshold** : Not available  
**pH** : Not available  
**Melting point** : Not available  
**Boiling point** : Not available

<b>Flash Point</b>	: Closed cup: >94°C (>201.2°F) Open cup: 300°C (572°F)
<b>Evaporation rate</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower and upper explosive (flammable) limits</b>	: Not available
<b>Vapor pressure</b>	: Not available
<b>Vapor density</b>	: Not available
<b>Specific gravity</b>	: 1.07
<b>Solubility</b>	: Insoluble in the following materials: cold water, hot water.
<b>Solubility in water</b>	: <0.001 g/l
<b>Partition coefficient: n-octanol/water</b>	: Not available
<b>Auto-ignition temp</b>	: Not available
<b>Decomposition temp</b>	: >150C (>302F)
<b>Viscosity</b>	: Not available

## 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data
<b>Incompatible materials</b>	: No specific data Slightly reactive or incompatible with the following materials: oxidizing materials
<b>Hazardous decomposition products</b>	: When exposed to high temperatures may produce hazardous decomposition products. Decomposition products may include the following materials: Formaldehyde

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available

#### Potential chronic health effects

Not available

#### Irritation/Corrosion

Product/ingredient name	Test	Species	Result
Siloxanes and Silicones, di-	-	Rabbit	Skin-Mild irritant
Me, di-Ph	-	Rabbit	Eyes-Mild irritant

#### Sensitization

Not available

#### Mutagenicity

Not available

#### Carcinogenicity

Not classified or listed by IARC, NTP, OSHA, EU and ACGIH

#### Reproductive toxicity

Not available

#### Teratogenicity

Not available

#### Specific target organ toxicity (single exposure)

Not available

#### Specific target organ toxicity (repeated exposure)

Not available

**Aspiration hazard**

Not available

**12. Ecological information**

**Toxicity**

Not available

**Persistence and degradability**

**Bioaccumulative potential**

Not available

**13. Disposal considerations**

The generation of waster should be avoided r minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste legislation and any regional local authority requirements. Dispose of surplus and non-recycled products via a licensed waste disposal contractor. Waster should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waster packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14. Transport information**

	DOT Classification	IMDG	IATA
<b>UN number</b>	Not regulated	Not regulated	Not regulated
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No	No	No
<b>Additional information</b>	-	-	-

**Special precautions for user**

: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure the persons transporting the product know what to do in the event of an accident or spillage.

**15. Regulatory information**

**US Federal regulations**

: United States inventory (TSCA 8b): All components are listed or exempted.

**SARA 302/304**

**Composition/information on ingredients**

No products were found

**SARA 311/312**

Classification

: Not applicable

**Composition/information on ingredients**

No products were found

**State regulations**

- Massachusetts** : None of the components are listed.
- New York** : None of the components are listed.
- New Jersey** : None of the components are listed.
- Pennsylvania** : None of the components are listed.
- California Prop 65** : The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product is not known to the State of California to cause cancer, birth defects or other reproductive harm.

**International lists**

**National inventory**

- Australia inventory (AICS)** : All components are listed or exempted.
- Canada inventory** : All components are listed or exempted.
- China inventory (IECSC)** : All components are listed or exempted.
- EU Inventory** : All components are listed or exempted.
- Japan inventory (ENCS)** : **Japan inventory (ENCS)**: All components are listed or exempted.  
**Japan inventory (ISHL)**: No determined
- New Zealand Inventory of Chemicals (NZIoC)** : All components are listed or exempted.
- Philippines inventory (PICCS)** : All components are listed or exempted.
- Korea inventory (KECI)** : All components are listed or exempted.
- Taiwan inventory (TCSI)** : All components are listed or exempted.
- United States inventory (TSCA 8b)** : All components are listed or exempted

**16. Other Information**

**Hazardous Material Information System (U.S.A.)**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>1</b>
<b>Physical hazards</b>	<b>0</b>

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**National Fire Protection Association (U.S.A.)**



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**Classification according to Directive 67/548/EEC [DSD] or Classification according to Directive 1999/45/EC [DPD]**

Risk phrases : This product is not classified according to EU legislation.

Safety phrases : Not applicable

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