

3. Composition/information on ingredients

Substances:

Chemical name:	Siloxanes and Silicones, di-Me
CAS-No.:	63148-62-9
Purity:	>=99.9%

4. First-aid measures

General information:

For further information refer to section 8 "Exposure-controls/personal protection".

4.1 Description of first aid measures:

Inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact:

Wash contact areas with soap and water.
Get medical attention if irritation persists after washing.

Eye contact:

In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Get medical attention if irritation persists after washing.

Ingestion:

Do not induce vomiting. Rinse mouth thoroughly.
Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed:

None known.

4.3 Indication of any immediate medical attention and special treatment needed:

Hazards:

No specific recommendations.

Treatment:

No specific recommendations.

5. Fire-fighting measures

General Fire Hazards:

No specific recommendations.

5.1 Extinguishing media:

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture:

Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

5.3 Advice for firefighters:

Special fire fighting procedures:

Water spray should be used to cool containers.

Special protective equipment for fire-fighters:

Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

6.2 Environmental Precautions:

Do not discharge into drains, water courses or onto the ground. Collect spillage. Use containment for a large spill.

6.3 Methods and material for containment and cleaning up:

Absorb with sand or other inert absorbent and place into containers.

6.4 Reference to other sections:

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

7. Handling and storage

7.1 Precautions for safe handling:

Precautions:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation.

7.3 Specific end use(s):

No data available.

8. Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:

None of the components have assigned exposure limits.

8.2 Exposure controls:

Appropriate Engineering Controls:

No specific recommendations.

Individual protection measures, such as personal protective equipment:

Provide sufficient ventilation during operations which cause vapor formation.

Eye/Face Protection:	Safety Glasses.
Hand Protection:	Material: Protective gloves are recommended.
Skin and Body Protection:	It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.
Respiratory Protection:	If ventilation is insufficient, suitable respiratory protection must be provided.
Environmental Controls:	No data available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	
Physical state:	Liquid
Form:	Viscous
Color:	Colorless
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable.
Melting point/freezing point:	-55 °C Approximate
Boiling Point:	No data available.
Flash Point:	280 °C (Closed cup according to method Afnor T 60103.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	< 0.1 hPa (20 °C)
Vapor density (air=1):	No data available.
Density:	Approximate 0.96 kg/dm ³ (20 °C)
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Acetone: Very slightly soluble Ethanol: Very slightly soluble Diethylether: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	> 400 °C
Decomposition Temperature:	No data available.
Kinematic viscosity:	50 mm ² /s (25 °C) Approximate
Dynamic viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

10. Stability and reactivity

10.1 Reactivity:

No other information noted.

10.2 Chemical Stability:

Stable

10.3 Possibility of hazardous reactions:

Will not occur.

10.4 Conditions to avoid:

No other information noted.

10.5 Incompatible Materials:

Strong oxidizing agents.

10.6 Hazardous Decomposition Products:

This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

11. Toxicological information

Information on likely routes of exposure:

Inhalation:

No data available.

Ingestion:

No data available.

Skin contact:

No data available.

Eye contact:

No data available.

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

Not classified for acute toxicity based on available data.

Dermal:

Not classified for acute toxicity based on available data.

Inhalation:

Not classified for acute toxicity based on available data.

Repeated dose toxicity:

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory or Skin Sensitization:

Not a skin sensitizer.

Germ Cell Mutagenicity:

In vitro:

No effects expected (assessment based on ingredients).

In vivo: No data available.

Carcinogenicity:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities.

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogens present or none present in regulated quantities.

Reproductive toxicity:

Fertility: No data available.

Teratogenicity: No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

12. Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

LC 50 (Fish; 96 h) Not considered toxic to fish.

Aquatic Invertebrates:

EC 50 (Sediment Invertebrate; 48 h) Not expected to be harmful to aquatic organisms.

Aquatic plants:

EC 50 (72 h) Not expected to be harmful to aquatic organisms.

NOEC (72 h) Not expected to be harmful to aquatic organisms.

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: No data available.

Aquatic Invertebrates: No data available.

12.2 Persistence and Degradability:

Biodegradation:

The product is not readily biodegradable.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF):

The product is not bioaccumulating.

Partition coefficient (n-octanol/water): No data available.

12.4 Mobility in soil:

No data available.

12.5 Other adverse effects:

No data available.

13. Disposal considerations

13.1 Waste treatment methods:

Disposal methods:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging:

Contaminated packages should be as empty as possible.

14. Transport information

This material is not subject to transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

15. Regulatory information

US Federal Regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA):

Hazard categories:

Not classified

SARA 304 Emergency Release Notification:

None present or none present in regulated quantities.

US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A):

None present or none present in regulated quantities.

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations:

US. California Proposition 65:

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act:

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List:

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances:

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK:

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.

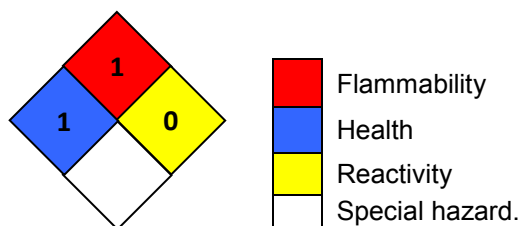
16. Other information, including date of preparation or last revision

HMIS Hazard ID:

Health	1
Flammability	1
Physical Hazards	0
PERSONAL PROTECTION	B

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect
 B - Safety Glasses & Gloves

NFPA Hazard ID:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 03/25/2020

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Further Information:

No data available.

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used

to make an independent determination of the methods to safeguard workers and the environment.