

SAFETY DATA SHEET

1. Identification of the hazardous chemical and of the supplier

Product identifier: PDMS 12500/NIBC(950KG)

Other means of identification

Synonyms: Polydimethylsiloxane

Recommended use and restriction on use

Recommended use: Industrial use Component in personal care products

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information : SILYCOM SA DE CV
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CP: 50230
Mexico

Contact person : sfsilycom@hotmail.com

2. Hazard(s) identification

Hazard Classification

Not classified

Label Elements

Hazard Symbol: No symbol
Signal Word: No signal word.
Hazard Statement: Not applicable
Precautionary Statements Not applicable

Hazard(s) not otherwise classified (HNOC): None.



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3. Composition/information on ingredients

Substances

Composition Comments:

The components are not hazardous or are below required disclosure limits.

4. First-aid measures

General information:

No action shall be taken involving any personal risk or without suitable training.

Inhalation:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms occur.

Skin Contact:

After contact with skin, remove product mechanically. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Eye contact:

In the event of contact with the eyes, rinse thoroughly with clean water. Get medical attention if any discomfort continues.

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. Never give liquid to an unconscious person.

Most important symptoms/effects, acute and delayed

Symptoms:

No data available.

Hazards:

No data available.

Indication of immediate medical attention and special treatment needed

Treatment:

No data available.

5. Fire-fighting measures

General Fire Hazards:

Use standard firefighting procedures and consider the hazards of other involved materials.

Suitable (and unsuitable) extinguishing media



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Suitable extinguishing media:

Carbon dioxide Foam. Water spray Dry chemical.

Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from the chemical:

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Special protective equipment and precautions for firefighters

Special fire fighting procedures:

Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Caution: Contaminated surfaces may be slippery. Use personal protective equipment.

For non-emergency personnel:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). See Section 8 of the SDS for Personal Protective Equipment.

For emergency responders:

Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use standard firefighting procedures and consider the hazards of other involved materials.

Methods and material for containment and cleaning up:

Collect spillage with granulates, sawdust, rags or other absorbent. Shovel up and place in a container for salvage or disposal.

Environmental Precautions:

Do not allow runoff to sewer, waterway or ground.

Prevention of secondary hazards:

Take any precaution to avoid mixing with combustibles and other incompatible materials.

7. Handling and storage



Precautions for safe handling:

Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using the product.
Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs. Use original container or packaging of similar material of construction

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls

Eye wash facilities and emergency shower must be available when handling this product. Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

General information:

Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. Wash hands after handling.

Eye/face protection:

Safety glasses with side shields

Skin Protection

Hand Protection:

Chemical resistant gloves

Other:

Wear suitable protective clothing.

Respiratory Protection:

No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hygiene measures:

Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash hands after handling. Observe good industrial hygiene practices.

9. Physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

Colorless



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Odor:	Odorless
Odor threshold:	No data available.
pH:	Not applicable
Melting point/freezing point:	ca. -50 °C Pour Point
Initial boiling point and boiling range:	> 315 °C
Flash Point:	> 316 °C (ASTM D 93)
Evaporation rate:	< 1 (n-Butyl acetate=1)
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Heat of combustion:	No data available.
Vapor pressure:	1.33 hPa (20 °C)
Vapor density:	Heavier than air
Density:	0.97 g/cm ³ (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	Soluble in toluene
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
SADT	No data available.
Viscosity, dynamic	No data available.
Viscosity, kinematic	12,500 mm ² /s

10. Stability and reactivity

Reactivity:	No dangerous reaction if used as recommended.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
Conditions to avoid:	Keep away from heat, sparks and open flame.
Incompatible Materials:	None known.



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**Hazardous Decomposition
Products:**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

General information:

According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No information about adverse effects due to exposure.
Skin Contact:	No information about adverse effects due to exposure.
Eye contact:	No information about adverse effects due to exposure.
Ingestion:	No information about adverse effects due to exposure.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	LD 50 (Rat, male and female): > 5,000 mg/kg [Polydimethylsiloxane]
Dermal Product:	LD 50 (Rabbit): > 10,000 mg/kg [Polydimethylsiloxane]
Inhalation Product:	Not classified for acute toxicity based on available data.

Repeated dose toxicity



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Product: (Mouse, Oral, 5 d): 25 mg/kg No adverse effects due to ingestion are expected.

Skin Corrosion/Irritation

Product: (Rabbit): No skin irritation Literature Reference

Serious Eye Damage/Eye Irritation

Product: Rabbit: No eye irritation Literature Reference

Respiratory or Skin Sensitization

Product: Magnusson-Kligmann, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative Did not cause sensitization on laboratory animals. Literature

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: Ames-Test: negative (not mutagenic) Literature Reference

In vivo

Product: Dominant lethal assay (OECD 478) (Mouse): negative (not mutagenic)

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.



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Aquatic Invertebrates

Product: No data available.
Chronic hazards to the aquatic environment:

Fish

Product: No data available.
Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available.

13. Disposal considerations

General information:

The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

Disposal instructions:

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:

Dispose of as unused product.



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14. Transport information

SCT

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

Special precautions for user:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Mexico. ACUERDO por el que se determina el listado de sustancias sujetas a reporte de competencia federal para el registro de emisiones y transferencia de contaminantes

No se aplica

México. DECRETO por el que se expide la Ley Federal para el Control de Sustancias Químicas Susceptibles de Desvío para la Fabricación de Armas Químicas, Apéndice 1: Listado nacional sustancias químicas

No se aplica

México. Norma oficial mexicana NOM-001-ECOL-1996 que establece los límites máximos permisibles de contaminantes en las descargas de aguas residuales en aguas y bienes nacionales

Ninguno/a

México. Sustancias peligrosas (NOM-028-STPS-2012, Sistema para la administración del trabajo- Seguridad en los procesos y equipos críticos que manejen sustancias químicas peligrosas, Apéndice A, Tabla A.I)

No se aplica

Mexico. Lista de Estupefacientes (Ley General de Salud, del 7 de Febrero de 1984, Artículos 234 y 239)

No se aplica

Mexico. Drogas Psicotrópicas (Ley General de Salud, del 7 de Febrero de 1984, Artículos 245 y 254 Bis)

No se aplica



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Inventory Status:

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

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

Issue Date: 17.09.2018

Revision Information: No data available.

Version #: 1.0

Further Information: No data available.



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Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

A vertical line in the left hand margin indicates an amendment from the previous version

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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