PoliDent Document: NAV-VL-30 Revision:01, 21.11.2019

# SAFETY DATA SHEET according to Regulation 1907/2006/EC

POLI SILICONE - component B

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1. Identification of the Substance / Preparation and Company:

1.1 Product identifier:

Commercial product name: POLI SILICONE KL – component B

Duplicating silicone

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Moulding diverse objects.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

POLIDENT D.O.O.

Street / mailbox: Volčja Draga 42

Country code. / postal code / city: 5293 Volčja Draga, Slovenija

Phone: +386/ 5 330 48 40 Fax: +386/ 5 330 48 70

E-mail / Website: polident@polident.si / www.polident.si

Further information obtainable from: POLIDENT D.O.O.

1.4 Emergency telephone number

Polident d.o.o.: +386 5 330 48 40

#### 2. Hazards Identification:

2.1. Classification of the substance or mixture: The product has not been classified as hazardous according

to the legislation in force.

Classification according to Regulation (EC) No Not classified

1272/2008 as amended.

2.2 Label Elements: Not applicable

Hazard summary:

Physical Hazards: No specific recommendations.

Health Hazards:

Inhalation:No specific symptoms noted.Eye contact:No specific symptoms noted.Skin Contact:No specific symptoms noted.Ingestion:No specific symptoms noted.Other Health Effects:No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

2.3 Other hazards: No data available.

### 3. Composition / Information on Ingredients:

### 3.2 Mixtures

General information: Mixture of organosiloxanes, additives.

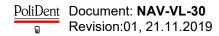
Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Dodecamethylcycloh exasiloxane	0,1 - <1%	540-97-6	208-762-8	01- 2119517435- 42-0002	No data available.	vPvB
Decamethylcyclopent asiloxane	0,1 - <1%	541-02-6	208-764-9	01- 2119511367- 43-0003	No data available.	vPvB

All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

Classification

Chemical name	Classification	Notes
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Dodecamethylcyclohexasiloxane	None known.	No data available.
Decamethylcyclopentasiloxane	None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

4. First aid measures:

General: Get medical attention if symptoms occur. Contaminated

clothing to be placed in closed container until disposal or

decontamination.

4.1 Description of first aid measures:

Inhalation: Not relevant.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap

and water.

Eye contact: In the event of contact with the eyes, rinse thoroughly with

clean water. Continue to rinse for at least 15 minutes.

Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both

acute and delayed:

Ingestion:

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: Foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread

media: the fire. Alkaline powders.

5.2 Special hazards arising from the substance or

mixture:

This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to

section 10: "Stability and Reactivity".

5.3 Advice for firefighters: Water spray should be used to cool containers.

Special firefighting procedures:

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective

clothing must be worn in case of fire. Use standard firefighting

procedures and consider the hazards of other involved

materials.

### Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency Wear appropriate personal protective equipment. See Section

personnel:

8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of

unition

ignition.

For emergency No data available.

responders:

6.2 Environmental Precautions: Collect spillage. Prevent entry into waterways, sewer,

basements or confined areas. Mechanically ventilate the spillage area to prevent the formation of explosive

concentrations.

6.3 Methods and material for containment and

cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be

kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent (cf.: § 9) Flush area with

plenty of water. Incinerate in suitable combustion chamber.
Caution: Contaminated surfaces may be slippery. For waste

6.4 Reference to other sections: Caution: Contaminated surfaces may

disposal, see Section 13 of the SDS.

7. Handling and Storage:

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7.1 Precautions for safe handling Use mechanical ventilation in case of handling which causes

formation of vapours. Do not mix with Incompatible materials. For further information, refer to section 10: "Stability and

Reactivity". Read and follow manufacturer's

recommendations.

7.2 Conditions for safe storage, Store in a cool, dry place with adequate ventilation. Keep

including any incompatibilities:

away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container equipped with a degassing device. Suitable containers:

polyethylene. Steel drums coated with epoxy-resin.

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 Avoid inhalation of vapours and spray mists.

controls:

Individual protection measures, such as personal protective equipment:

General information: Provide sufficient ventilation during operations which cause

vapour formation.

Eye/face protection: Safety Glasses.
Skin protection: Material: Nitrile.

Hand Protection: Material: Polyvinyl chloride (PVC).

Material: Rubber or plastic.

Other: It is a good industrial hygiene practice to minimize skin

contact. Wear suitable protective clothing.

Respiratory Protection: No specific precautions.

Hygiene measures: Provide eyewash station and safety shower.

Environmental Controls: No data available.

9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Physical state:

Form:

Colour:

Odour:

Diquid

Viscous

Pink

Odourless

Odour threshold:

pH-Value:

Not applicable.

Freezing point:

No data available.

No data available.

No data available.

No data available.

Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)

Evaporation Rate:

Flammability (solid, gas):

Flammability Limit - Upper (%)—:

Flammability Limit - Lower (%)—:

Vapour pressure:

Vapour density (air=1):

No data available.

74 %(V) Hydrogen.

4 %(V) Hydrogen.

< 0,1 hPa (20 °C)

No data available.

Relative density: Approximate 1,05 kg/dm3 (20 °C)

Solubility(ies):

Solubility in Water: Practically Insoluble

Solubility (other): Diethylether: Miscible (in all proportions).

Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).

Acetone: Very slightly soluble. Ethanol: Very slightly soluble.

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

Autoignition Temperature: 500 °C Hydrogen. > 400 °C

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> 200 °C **Decomposition Temperature:** 

5 000 mm2/s (20°C) Viscosity: Explosive properties: No data available.

Oxidizing properties: According to the data on the components Not considered as

oxidising. (evaluation by structure-activity relationship)

Other information: 9.2 No data available.

Stability and Reactivity:

No other information noted. 10.1 Reactivity:

10.2 Chemical Stability: Material is stable under normal conditions. 10.3 Possibility of hazardous reactions: This product may generate hydrogen gas.

10.4 Conditions to avoid: No other information noted.

10.5 Incompatible Materials: A fire or explosion hazard arises because highly flammable

gas (hydrogen) is released when it is in contact with: Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal

salts and complexes.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon

> oxides and other toxic gases or vapours. Amorphous silica. Quantity of hydrogen potentially released (I/kg of product): <7

**Toxicological Information:** 

Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients). Ingestion: No effects expected (assessment based on ingredients). Skin Contact: No effects expected (assessment based on ingredients). Eye contact: No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects:

Acute Toxicity:

Oral:

Product: Not classified for acute toxicity based on available data.

Dermal:

Product: Not classified for acute toxicity based on available data.

Inhalation: Product:

Specified substance(s):

Decamethylcyclopentasiloxane: LC 50 (Rat): 8,67 mg/l

Repeated Dose Toxicity:

Product:

Composition/information on ingredients Specified substance(s):

Dodecamethylcyclohexasiloxane: NOAEL (Rat, Oral): >= 1 000 mg/kg Method: OECD 422

NOAEL (Rat, Inhalation - vapor): 0,0182 mg/l

Method: OECD 413

Decamethylcyclopentasiloxane: NOAEL (Rat, Oral): >= 1 000 mg/kg

NOAEL (Rat, Inhalation - vapor): >= 2,42 mg/l

NOAEL (Rat, Dermal): >= 1 600 mg/kg

Composition/information on ingredients

Composition/information on ingredients

Composition/information on ingredients

Skin Corrosion/Irritation:

Product: Specified substance(s):

Dodecamethylcyclohexasiloxane: OECD 404 (Rabbit): Not irritating

Decamethylcyclopentasiloxane: Rabbit: Not irritating

Serious Eye Damage/Eye Irritation:

Product:

Specified substance(s):

Dodecamethylcyclohexasiloxane: OECD 405 (Rabbit): Not irritating

Decamethylcyclopentasiloxane: Rabbit: Not irritating

Respiratory or Skin Sensitization:

Product: Composition/information on ingredients

Specified substance(s):

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Dodecamethylcyclohexasiloxane:	OECD 406 (Guinea Pig): Not a skin sensitize
Decamethylcyclopentasiloxane:	Not a skin sensitizer.

Decamethylcyclopentasiloxane: Germ Cell Mutagenicity:

In vitro:

Product: Composition/information on ingredients

Specified substance(s):

Dodecamethylcyclohexasiloxane: Mouse lymphoma cells (OECD 476): negative with and

without metabolic activation

Bacteria (OECD 471): negative with and without metabolic

activation

Decamethylcyclopentasiloxane: Chromosomal aberration: No mutagenic components

identified. Bacteria: No mutagenic components identified.

In vivo:

Product: Specified substance(s):

Composition/information on ingredients

Dodecamethylcyclohexasiloxane: Mammalian erythrocyte micronucleus test (OECD 474): No

mutagenic effects.

No effects expected. Decamethylcyclopentasiloxane:

Carcinogenicity:

Product:

No data available. Reproductive Toxicity (Fertility):

Product:

Composition/information on ingredients Specified substance(s):

Dodecamethylcyclohexasiloxane: Reproduction/developmental toxicity screening test. Rat (Gavage (Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg NOAEL (F2): Method: OECD 422

Fertility study 2 generations. Rat (Inhalation): NOAEL Decamethylcyclopentasiloxane: (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None.

Method: OECD 416

Developmental Toxicity (Teratogenicity):

Product:

Specified substance(s):

Composition/information on ingredients

Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414

Specific Target Organ Toxicity - Single

Dodecamethylcyclohexasiloxane:

Exposure:

Product:

No data available.

Specified substance(s):

Dodecamethylcyclohexasiloxane: Based on available data, the classification criteria are not

Specific Target Organ Toxicity - Repeated

Exposure:

Product: No data available.

Specified substance(s):

Dodecamethylcyclohexasiloxane: Based on available data, the classification criteria are not

met.

Aspiration Hazard:

No data available. Product:

## **Ecological Information:**

12.1 Toxicity:

Acute toxicity:

Fish:

No data available. Product:

Aquatic Invertebrates:

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No data available. Product:

Chronic Toxicity:

Fish: Product:

Specified substance(s):

Decamethylcyclopentasiloxane:

Aquatic Invertebrates:

Product:

Specified substance(s):

Dodecamethylcyclohexasiloxane:

Toxicity to Aquatic Plants:

Product: Specified substance(s):

Dodecamethylcyclohexasiloxane:

12.2 Persistence and Degradability:

Biodegradation: Product:

Specified substance(s):

Dodecamethylcyclohexasiloxane:

Decamethylcyclopentasiloxane:

BOD/COD Ratio:

Product:

12.3 Bioaccumulative Potential:

Product:

Specified substance(s):

Dodecamethylcyclohexasiloxane:

Decamethylcyclopentasiloxane:

12.4 Mobility in Soil:

Decamethylcyclopentasiloxane

12.6 Other Adverse Effects:

Composition/information on ingredients

NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l

Composition/information on ingredients

Composition/information on ingredients

NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 0,002 mg/l

NOEC (Water flea (Daphnia magna), 21 d): >= 0,0046 mg/l

EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 0,002 mg/l

Composition/information on ingredients

4,5 % (28 d, OECD 310) The product is not readily

biodegradable.

0,14 % (28 d) The product is not readily biodegradable.

No data available.

Composition/information on ingredients

Fathead Minnow, Bioconcentration Factor (BCF): 2 860

(OECD 305) Has the potential to bioaccumulate.

Fathead Minnow, Bioconcentration Factor (BCF): 7 060

No data available.

12.5 Results of PBT and vPvB assessment: Composition/information on ingredients

Dodecamethylcyclohexasiloxane Meets vPvB criteria Meets vPvB criteria

REACH (1907/2006) Ax XIII REACH (1907/2006) Ax XIII

No data available.

13. **Disposal Considerations:** 

13.1 Waste treatment methods

General information: The user's attention is drawn to the possible existence of

local regulations regarding disposal.

Disposal methods:

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. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to ensure pressure relief in

the waste container.

Contaminated Packaging: Contaminated packages should be as empty as possible.

> Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

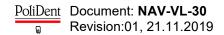
14. **Transport Information:** 

This material is not subject to transport regulations.

Other information: Warning Packaging with a breathing/venting bung are

FORBIDDEN for transport by air.

14.7 Transport in bulk according to Annex II of Not applicable.



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#### MARPOL73/78 and the IBC Code:

#### 15. Regulatory Information:

15. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

**Inventory Status** 

Australia AICS: Not in compliance with the inventory. Canada DSL Inventory List: Not in compliance with the inventory. **EU EINECS List:** On or in compliance with the inventory. Not in compliance with the inventory. Japan (ENCS) List: China Inv. Existing Chemical Substances: On or in compliance with the inventory. Korea Existing Chemicals Inv. (KECI): Not in compliance with the inventory. Philippines PICCS: Not in compliance with the inventory. US TSCA Inventory: On or in compliance with the inventory. New Zealand Inventory of Chemicals: Not in compliance with the inventory.

#### 16. Other Information:

Revision Information: Not relevant.

References

PBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.

Key abbreviations or acronyms used:

No data available.

No data available.

sources for data:

Wording of H-statements in section 2 and 3: None

Training 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