

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 1272/2008 as amended. Not classified
- 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.
- 2.3 Environmental hazards: Not regarded as dangerous for the environment.
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
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	208-762-8	01-2119517435-42-0002	No data available.	vPvB
Decamethylcyclopentasiloxane	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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Dodecamethylcyclhexasiloxane	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.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.
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:	Foam. Powder. Carbon dioxide (CO2).
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread 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.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:	
For non-emergency personnel:	Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.
For emergency responders:	No data available.
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.
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:

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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, including any incompatibilities: Store in a cool, dry place with adequate ventilation. Keep 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 controls: Avoid inhalation of vapours and spray mists.
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: Liquid
Form: Viscous
Colour: Pink
Odour: Odourless
Odour threshold: No data available.
pH-Value: Not applicable.
Freezing point: No data available.
Boiling Point: No data available.
Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Flammability Limit - Upper (%)-: 74 %(V) Hydrogen.
Flammability Limit - Lower (%)-: 4 %(V) Hydrogen.
Vapour pressure: < 0,1 hPa (20 °C)
Vapour density (air=1): 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

Decomposition Temperature: > 200 °C
Viscosity: 5 000 mm²/s (20°C)
Explosive properties: No data available.
Oxidizing properties: According to the data on the components Not considered as oxidising. (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: 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 (l/kg of product): <7

11. 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: Not classified for acute toxicity based on available data.
Product:
Dermal: Not classified for acute toxicity based on available data.
Product:
Inhalation: Not classified for acute toxicity based on available data.
Product:
Composition/information on ingredients
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

Skin Corrosion/Irritation:
Product: Composition/information on ingredients
Specified substance(s):
Dodecamethylcyclohexasiloxane: OECD 404 (Rabbit) : Not irritating
Decamethylcyclopentasiloxane: Rabbit : Not irritating
Serious Eye Damage/Eye Irritation:
Product: Composition/information on ingredients
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):

Dodecamethylcyclohexasiloxane:	OECD 406 (Guinea Pig): Not a skin sensitizer.
Decamethylcyclopentasiloxane:	Not a skin sensitizer.
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:	Composition/information on ingredients
Specified substance(s):	
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): $\geq 1\ 000$ mg/kg NOAEL (F1): $\geq 1\ 000$ mg/kg NOAEL (F2): Method: OECD 422 Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416
Decamethylcyclopentasiloxane:	
Developmental Toxicity (Teratogenicity):	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Rabbit NOAEL (terato): $\geq 1\ 000$ mg/kg NOAEL (mater): $\geq 1\ 000$ mg/kg Method: OECD 414 Rat NOAEL (terato): $\geq 1\ 000$ mg/kg NOAEL (mater): $\geq 1\ 000$ mg/kg Method: OECD 414
Specific Target Organ Toxicity - Single Exposure:	
Product:	No data available.
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Based on available data, the classification criteria are not met.
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:	
Product:	No data available.

12. Ecological Information:

12.1 Toxicity:	
Acute toxicity:	
Fish:	
Product:	No data available.
Aquatic Invertebrates:	

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Product:	No data available.	
Chronic Toxicity:		
Fish:		
Product:	Composition/information on ingredients	
Specified substance(s):		
Decamethylcyclopentasiloxane:	NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,014$ mg/l	
Aquatic Invertebrates:		
Product:	Composition/information on ingredients	
Specified substance(s):		
Dodecamethylcyclohexasiloxane:	NOEC (Water flea (Daphnia magna), 21 d): $\geq 0,0046$ mg/l	
Toxicity to Aquatic Plants:		
Product:	Composition/information on ingredients	
Specified substance(s):		
Dodecamethylcyclohexasiloxane:	NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): $\geq 0,002$ mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): $> 0,002$ mg/l	
12.2 Persistence and Degradability:		
Biodegradation:		
Product:	Composition/information on ingredients	
Specified substance(s):		
Dodecamethylcyclohexasiloxane:	4,5 % (28 d, OECD 310) The product is not readily biodegradable.	
Decamethylcyclopentasiloxane:	0,14 % (28 d) The product is not readily biodegradable.	
BOD/COD Ratio:		
Product:	No data available.	
12.3 Bioaccumulative Potential:		
Product:	Composition/information on ingredients	
Specified substance(s):		
Dodecamethylcyclohexasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 2 860 (OECD 305) Has the potential to bioaccumulate.	
Decamethylcyclopentasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 7 060	
12.4 Mobility in Soil:	No data available.	
12.5 Results of PBT and vPvB assessment:	Composition/information on ingredients	
Dodecamethylcyclohexasiloxane	Meets vPvB criteria	REACH (1907/2006) Ax XIII
Decamethylcyclopentasiloxane	Meets vPvB criteria	REACH (1907/2006) Ax XIII
12.6 Other Adverse Effects:	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.	

MARPOL73/78 and the IBC Code:

15. Regulatory Information:

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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.
- Japan (ENCS) List: Not in compliance with the inventory.
- 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:

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- Revision Information: Not relevant.
- References
- PBT PBT: persistent, bioaccumulative and toxic substance.
- vPvB vPvB: very persistent and very bioaccumulative substance.
- Key abbreviations or acronyms used: No data available.
- Key literature references and sources for data: No data available.
- 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