SAFETY DATA SHEET according to Regulation 1907/2006/EC POLI SILICONE – component A

1. Identification of the Substance / Preparation and Company:

1.1	Product identifier:	
	Commercial product name:	POLI SILICONE – component A 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.
	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
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
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.
	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:	Extinguish with foam, carbon dioxide or dry powder. Water spray.
	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or mixture:	None known. For further information, refer to Section 10: "Stability and Reactivity".
5.3	Advice for firefighters:	
	Special firefighting procedures:	Water spray should be used to cool containers.
	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:

6.1	Personal precautions, protective equipment and emergency procedures:	
	For non-emergency personnel:	Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.
	For emergency responders:	No data available.
6.2	Environmental Precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.
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:

7.1	Precautions for safe handling	No specific precautions.
7.2	Conditions for safe storage, including any incompatibilities:	No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.
	Storage Class:	No data available.
7.3	Specific end use(s):	No specific recommendations.

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 precautions.
	Individual protection measures, such as personal protective equipment:	
	General information:	No specific recommendations.
	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:	White
	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 (%)–:	No data available.
	Flammability Limit - Lower (%)–:	No data available.
	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). Chlorinated solvents: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Acetone: Very slightly soluble. Ethanol: Very slightly soluble.
	Partition coefficient (n-octanol/water):	No data available.
	Autoignition Temperature:	> 400 °C
	Decomposition Temperature:	> 200 °C
	Viscosity:	4 800 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:	Not relevant.
10.2	Chemical Stability:	Stable
10.3	Possibility of Hazardous	

	Reactions:	No data available.
10.4	Conditions to Avoid:	No other information noted.
10.5	Incompatible Materials:	Strong oxidizing agents. Strong oxidizers, strong acids, and strong bases.
10.6	Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Amorphous silica.

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:	
	Product:	Not classified for acute toxicity based on available data.
	Dermal:	
	Product:	Not classified for acute toxicity based on available data.
	Inhalation:	
	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.
Decamethylcyclopentasiloxane: No effects expected.
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
Decamethylcyclopentasiloxane: Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416
Developmental Toxicity (Teratogenicity):
Product: Composition/information on ingredients
Specified substance(s):
Dodecamethylcyclohexasiloxane: 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 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:
Product: No data available.
Chronic Toxicity:
Fish:
Product: Composition/information on ingredients
Specified substance(s):
Decamethylcyclopentasiloxane: NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l
Aquatic Invertebrates:
Product: Composition/information on ingredients
Specified substance(s):
Dodecamethylcyclohexasiloxane: NOEC (Water flea (Daphnia magna), 21 d): >= 0,0046 mg/l
Toxicity to Aquatic Plants:
Product: Composition/information on ingredients
Specified substance(s):
Dodecamethylcyclohexasiloxane: NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 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. Incinerate.
	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:	No special precautions.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

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:	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:	Not 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.

16. Other Information:

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