

Safety Data Sheet

Poly(dimethylsiloxane)

Version : V1.0.0.1

Report No. : BR-201-1000

Creation Date : 2018/08/13

Revision Date : 2018/08/13

*Prepared according to EU regulation No. 2015/830

1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Product Name	Poly(dimethylsiloxane)
Cat No.	BR-201-1000
Synonyms	Poly(dimethylsiloxane), Polydimethylsiloxane Fluid ,silicone oil
CAS No.	63148-62-9
EC No.	613-156-5
Molecular Formula	-
REACH Registration Number	01-2119529238-36-****

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

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	
Address of the company	لغو راه حلی برای محصولات نوین
Post code	www.lefu.co.com
Telephone number	
Fax number	
E-mail address	

Emergency phone number

Emergency phone number	
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2 Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008

Not classified

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]	No labelling applicable
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Other hazards

No additional information available

3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Poly(dimethylsiloxane)	63148-62-9	613-156-5	-	Not classified	100

4 First aid measures

Description of first aid measures

General advice	If symptoms persist, call a physician.
Eye contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water. Obtain medical attention.
Skin contact	Wash skin with plenty of water.
Ingestion	Give several small portions of water to drink. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/effects	No information available.
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Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 Firefighting measures

Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide (CO ₂). Sand.
Unsuitable extinguishing media	No information available.

Specific hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Toxic fumes may be released.
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Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Keep unprotected persons away. Avoid dust formation. Do not breathe dust.
For emergency responders	Protective equipment	:	Do not attempt to take action without suitable protective equipment. For further information refer to

		section 8: "Exposure controls/personal protection".
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Environmental precautions

Avoid release to the environment. Avoid direct discharge into drains.

Methods and materials for containment and cleaning up

Methods for cleaning up	Absorb remaining liquid with sand or inert absorbent and remove to safe place
Other information	Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

7 Handling and storage

Precautions for safe handling

◆ Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Keep away from sources of ignition and do not smoke.

◆ Hygiene measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a well-ventilated place. Keep cool. Protect against moisture.
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Specific end use (s)

No information available.

8 Exposure controls/personal protection

Control parameters

Poly(dimethylsiloxane) (63148-62-9)

Romania	OEL TWA (mg/m ³)	200 mg/m ³ (oil)
Romania	OEL STEL (mg/m ³)	300 mg/m ³ (oil)

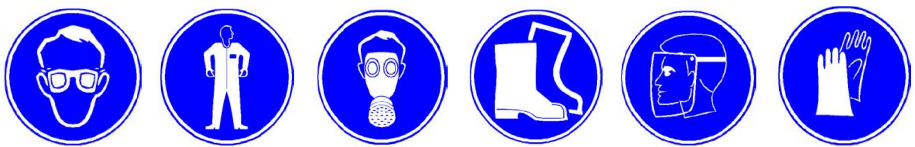
Engineering controls

Ensure good ventilation of the work station.

Environmental exposure controls

Prevent material from entering surface waters and soil.

Personal protection equipment

General requirement	
Eye protection	Safety glasses
Hand protection	Protective gloves, rubber gloves
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Skin and body protection	Wear suitable protective clothing
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9 Physical and chemical properties

Physical and chemical properties

Physical state	Viscous liquid
Colour	Colourless.
Odour	Characteristic odor
Odour threshold	No data available
pH	No data available
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Melting point	No data available
Freezing point	No data available
Initial boiling point and boiling range(°C)	No data available
Flash point(Closed cup,°C)	≥ 125
Critical temperature	No data available
Auto-ignition temperature(°C)	No data available
Decomposition temperature(°C)	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour pressure at 50 °C	No data available
Critical pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density(Water=1)	No data available
Relative density of saturated gas/air mixture Density25°C,g/cm ³	0.920~0.980
Relative gas density	No data available
Solubility	Insoluble in water
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic(mm ² /s)	-
Explosive properties	No data available.
Oxidising properties	No data available.
Explosive limits	No data available
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available

Other information

No additional information available

10 Stability and reactivity

Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Oxidizing material can cause a reaction.
Incompatible materials	No information available.
Hazardous decomposition products	Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

11 Toxicological information

Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Poly(dimethylsiloxane) (63148-62-9)

LD50 oral rat	> 24 g/kg
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Others

Skin corrosion/irritation	Not classified pH: No data available
Serious eye damage/irritation	Not classified pH: No data available
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

12 Ecological information

Toxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	Not classified
Chronic aquatic toxicity	Not classified

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

Ecology - soil	No information available.
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Results of PBT and vPvB assessment

No additional information available

13 Disposal considerations

Waste treatment methods

Dispose of contents/container in accordance with licensed collector' s sorting instructions.

14 Transport information

Label and Mark

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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15 Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	×	✓	✓	✓	✓	✓	✓	✓	×

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

【ENCS】 Existing And New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G
Poly(dimethylsiloxane)	×	×	×	✓	✓	✓	×

【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

【B】 Substances requiring authorisation under EU REACH regulation

【C】 Substances restricted under EU REACH

【D】 Pre-registered substances under EU REACH

【E】 Registered substances under EU REACH

【F】 Substance Evaluation – CoRAP under EU REACH

【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)

Note

"√" Indicates that the substance included in the regulations

"x" That no data or included in the regulations

16 Others

Information on revision

Creation Date	2018/08/13
Revision Date	2018/08/13
Reason for revision	-

Reference

[1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC , website: <http://www.iarc.fr/>.

[3]OECD: The Global Portal to Information on Chemical Substances, website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS –Chemical Abstracts Service

CMR - Carcinogens, mutagens or substances toxic to reproduction

PC-STEL- Short term exposure limit

PC-TWA - Time Weighted Average

DNEL - Derived No Effect Level

IARC - International Agency for Research on Cancer

RPE - Respiratory Protective Equipment

PNEC –Predicted No Effect Concentration

LC₅₀ - Lethal Concentration 50%

LD₅₀ - Lethal Dose 50%

NOEC -No Observed Effect Concentration

EC₅₀ - Effective Concentration 50%

PBT - Persistent, Bioaccumulative, Toxic

POW - Partition coefficient Octanol:Water

BCF - Bioconcentration factor (BCF)

vPvB - very Persistent, very Bioaccumulative

IMDG-International Maritime Dangerous Goods

ICAO/IATA-International Civil Aviation Organization/International Air Transportation Association

UN-The United Nations

ACGIH-American Conference of Governmental Industrial Hygienists

NFPA-National Fire Protection Association

OECD-Organization for Economic Co-operation and Development

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the

diversity of information sources and the limitations of our knowledge, this document is only for user' s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



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