

## Safety Data Sheet

# Poly(dimethylsiloxane)

Version : V1.0.0.1

Report No. : BR-201-12500

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-201-12500
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**

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

**Most important symptoms and effects, both acute and delayed**

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

Treat symptomatically.

**5 Firefighting measures****Extinguishing media**

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

**Specific hazards arising from the substance or mixture**

<b>Hazardous decomposition products in case of fire</b>	Toxic fumes may be released.
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**Advice for firefighters**

<b>Protection during firefighting</b>	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**

<b>For non-emergency personnel</b>	Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Keep unprotected persons away. Avoid dust formation. Do not breathe dust.
<b>For emergency responders</b>	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 <sup>3</sup> )	200 mg/m <sup>3</sup> (oil)
Romania	OEL STEL (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup> (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

<b>Skin and body protection</b>	Wear suitable protective clothing
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## 9 Physical and chemical properties

### Physical and chemical properties

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

### Other information

No additional information available

## 10 Stability and reactivity

### Stability and reactivity

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

## 11 Toxicological information

### Information on toxicological effects

<b>Acute toxicity (oral)</b>	Not classified
<b>Acute toxicity (dermal)</b>	Not classified
<b>Acute toxicity (inhalation)</b>	Not classified

### Poly(dimethylsiloxane) (63148-62-9)

<b>LD50 oral rat</b>	> 24 g/kg
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### Others

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

## 12 Ecological information

### Toxicity

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

### Persistence and degradability

No information available.

### Bioaccumulative potential

No information available.

### Mobility in soil

<b>Ecology - soil</b>	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](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

LC<sub>50</sub> - Lethal Concentration 50%

LD<sub>50</sub> - Lethal Dose 50%

NOEC -No Observed Effect Concentration

EC<sub>50</sub> - 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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