



Safety Data Sheet

Poly(dimethylsiloxane)

Version: V1.0.0.1

Report No.: BLD-600-1000cst

Creation Date: 2020/08/13 Revision Date: 2020/08/13

*Prepared according to EU regulation No. 2015/830

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

Product identifier	
Product Name	Poly(dimethylsiloxane)
Cat No.	BLD-600-1000cst
Synonyms	Poly(dimethylsiloxane), Polydimethylsiloxane Fluid
CAS No.	63148-62-9
EC No.	613-156-5
Molecular Formula	-
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	Shandong Baolongda Industry Group Co., Ltd.
Address of the company	No. 008, Yinglong Road, Longshan High-tech Industrial Park, Linqu County, Weifang City, Shandong Province
Post code	310012
Telephone number	+86-536-3350888
Fax number	+86-536-3350888
E-mail address	silicone@junyuannewmaterials.com
Emergency phone number	
Emergency phonenumber	+86-536-3350888

Section 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

Other hazards

No additional information available

Section 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

Section 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.
Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.	

Section 5 Firefighting measures

Extinguishing media	
Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide (CO2). 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.
Advice for firefighters	
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 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".
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.		

Section 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.
Specific end use (s)	
No information available.	

Section 8 Exposure controls/personal protection

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	

Section 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)	≥320
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	No data available
Density25°C,g/cm3	0.965~0.975
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(mm2/s)	950-1050
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	

Section 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.

Section 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
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

Section 12 Toxicological 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.	
Results of PBT and vPvB assessment	
No additional information available.	
Mobility in soil	
Ecology - soil	No information available.

Section 13 Disposal considerations

Waste treatment methods

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

Label and Mark

Transporting Label	Not applicable
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IMDG-CODE	
IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
CAO/IATA-DGR	
CAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
UN-ADR	
UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Section 14 Transport information

Section 15 Regulatory information

International chemical inventory									
Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	x	√	√	√	√	√	√	√	x
【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(dimethyl siloxane)	x	x	x	√	√	√	x
【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							

Section 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.