Safety Data Sheet

OH Polymer

Version : V1.0.0.1
Report No. :BR-107-80000cst
Creation Date : 2018/07/31
Revision Date : 2018/07/31

*Prepared according to EU regulation No. 2015/830

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

Product identifier

Product Name	OH Polymer
Cat No.	BR-107-80000cst
Synonyms	Silanol terminated polydimethylsiloxane
CAS No.	70131-67-8
EC No.	615-070-3
Molecular Formula	$HO\text{-}Si(CH_3)_2O[Si(CH_3)_2O]_nSi(CH_3)_2\text{-}OH$
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	
Post code	
Telephone number	
Fax number	
E-mail address	

Emergency phone number

Emergency phone number	

2 Hazards identification

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

Not classified

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

3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Silanol Terminated Polydimethylsiloxane	70131-67-8	615-070-3	-	Not classified	>=97

4 First aid measures

Description of first aid measures

General advice	If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin contact	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Wash contaminated clothing before reuse. Get medical attention.
Ingestion	If conscious, drink plenty ofwater. Do not induce vomiting. Call a physician or poison control center immediately.
Inhalation	Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Call a physician or poison control center immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

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.

5 Firefighting measures

Extinguishing media

Suitable extinguishing media	Dry powder. Foam. Carbon dioxide (CO2).
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.

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 clothing. Avoid contact with liquid and vapors. Use personal protective equipment.
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. Prevent runofffrom entering drains, sewers, or streams.

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. Shovel up and place in a container for salvage or disposal.
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. Wear personal protective equipment. Keep away from sources ofignition 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.

8 Exposure controls/personal protection

Control parameters

No additional information available

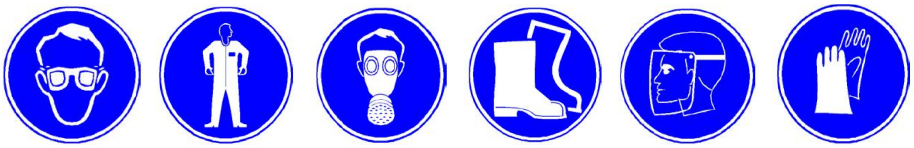
Engineering controls

Ensure good ventilation of the work station.

Environmental exposure controls

Avoid release to the environment. 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

9 Physical and chemical properties

Physical and chemical properties

Physical state	liquid
Colour	Clear.
Odour	Mild menthol-like aroma.
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
Boiling point	> 205°C
Flash point	205 °C
Critical temperature	No data available
Auto-ignition temperature	No data available
Decomposition temperature	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	No data available
Relative density of saturated gas/air mixture	No data available
Density	No data available
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	72000-88000
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
Thermal decomposition	Note: No decomposition ifstored and applied as directed.

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	Hazardous polymerisation does not occur. No dangerous reaction if used as recommended.
Conditions to avoid	Avoid contact with: Alkalies. Oxidizing agents.
Incompatible materials	Acid. Oxidizing materials. Water Peroxides.
Hazardous decomposition products	Carbon oxides, Oxides ofsilicon.

11 Toxicological information

Information on toxicological effects

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

Silanol terminated polydimethylsiloxane (70131-67-8)

LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	> 16 ml/kg
LC50 inhalation rat (mg/l)	> 8750 mg/m³ (Exposure time: 7 h)

Others

Skin corrosion/irritation	Not classified pH: No data available No skin irritation
Serious eye damage/irritation	Not classified pH: No data available No eye irritation
Respiratory or skin sensitisation	Not classified Negative
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

Log Pow	No data available
Log Kow	No data available
Bioaccumulative potential	No information available.

Mobility in soil

Ecology - soil	No information available.

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

IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

ICAO/IATA-DGR

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

UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15 Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS

	√	√	×	√	√	√	√	√	√

【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
Silanol terminated polydimethylsiloxane	×	×	×	√	√	×	×

【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
"×" That no data or included in the regulations

16 Others

Information on revision

Creation Date	2018/07/31
Revision Date	2018/07/31
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

PC-STEL- Short term exposure limit

DNEL - Derived No Effect Level

RPE - Respiratory Protective Equipment

LC_{50} - Lethal Concentration 50%

NOEC -No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

BCF - Bioconcentration factor (BCF)

IMDG-International Maritime Dangerous Goods

UN-The United Nations

NFPA-National Fire Protection Association

CMR - Carcinogens, mutagens or substances toxic to reproduction

PC-TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

PNEC –Predicted No Effect Concentration

LD_{50} - Lethal Dose 50%

EC_{50} - Effective Concentration 50%

POW - Partition coefficient Octanol:Water

vPvB - very Persistent, very Bioaccumulative

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

ACGIH-American Conference of Governmental Industrial Hygienists

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.