MSDS / SDS

Creation date: 2021-0312 Amendment date: 2021-04-08

Part 1: Chemicals and corporate identification

on-product information

Chinese name : Polydimethylsiloxane : Poly(dimethylsiloxane) English name

CB number : CB3696473 CAS number : 9016-00-6 **EINECS Number** : 618-4931

: Dimethylsiloxane polymer, poly (dimethylsiloxane), with an average molecular weight of 115,000 $\,$ Chemical alias

Relevant fied use of substance or mixture and not recommended use

Validated use : For R & D use only. Not used for pharmaceutical, family, or other purposes.

Recommended to prohibit use : Not available

Overview of the emergency situations

Clear, liquid colorless and odorless If inhaled, move the patient to fresh air., If respiration stops, perform artificial respiration. Rlush with soap and plenty of water. Wash the eyes with water with caution. Do not feed the unconscious person with anything., Rgargle with water.combustible.

The GHS hazard category

Non-hazardous substance or mixture.

GHS tag elements, including precautionary instructions

figurative graph

Physical and chemical hazards

There is no physical or chemical risk to the current information.

health hazard

At present, there is no health hazard.

environment hazards

At present, the information, there is no environmental harm.

Other hazards

-not have

Part 3: Composition / composition information

matter

Chinese name : Polydimethylsiloxane

Chemical alias : Dimethylsiloxane polymer, poly (dimethylsiloxane), with an

average molecular weight of 115,000

CAS number : 9016-00-6
EC number : 618-4931
molecular formula : C5H6Si
formula weight : 94.1866

Part 4: First-aid

measures

Description of the necessary first-aid measures

inhalation

If inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration.

skin exposure

Rlush with soap and plenty of water.

eye contact

Wash the eyes with water with caution.

ingestion

Do not feed the unconscious person with anything. Wash your mouth with water.

Most important symptoms and health effects

The most important known symptoms and effects are described in the labeling (see Section 2.2) and / or section 11

Instructions and instructions for prompt medical treatment and special treatment required

No data

Special tips for the doctor

No data

Part 5: Fire protection measures

Fire fighting medium

Fire extinguishing methods and fire extinguishing agent

Put out the fire with water mist, alcohol-resistant foam, dry powder or carbon dioxide.

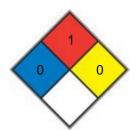
A particular hazard arising from this substance or mixture

The nature of the product after decomposition is unknown combustible.

Fire prevention and extinguishing precautions and protection measures

If necessary, wear a self-contained breathing apparatus for fire-fighting operations.

NFPA 704



- Health hazard 0 It does not cause harm to the human body when exposed.
- Flammability 1 requires preheat to ignite.
- Reactive 0 is usually stable, does not react even when exposed to open flames, and does not react with water.

Special harm

Part 6: Emergency treatment of leakage

Personnel protective measures, protective equipment and emergency response procedures

Avoid inhaling vapors, aerosol, or gases.

See part 8 for personal protection.

Environmental protection measures

No special environmental prevention requirements.

The reception and removal methods of the leaking chemicals and the disposal materials used

Place in a suitable enclosed container for disposal.

Refer to other sections

See Section 13 for the discard processing.

Part 7: Operational disposal and storage

Notes for safe operation

For precautions, see Section 2.2.

Conditions for safe storage, including any incompatibilities

Keep the container closed and store it in a dry and ventilated place.

Part 8: Contact control / personal protection

controlling parameter

Hazard composition and occupational exposure limits

There are no known state-prescribed exposure limits.

Exposure control

Appropriate technical controls

Routine industrial hygiene operations.

Individual protective equipment

Eye protection

Please protect your eyes with equipment tested and approved by official standards such as NIOSH (USA) or EN 166 (EU).

skin sparing

Wearing gloves and gloves must be inspected before use. Please remove the gloves properly (do not touch the external surface of the gloves) and avoid any skin contact with the product. Use the contaminated gloves carefully according to relevant laws and regulations and effective laboratory regulations and procedures. Please clean and blow dry your hands

The selected protective gloves selected must comply with the specifications given by Regulation (EU) 2016 / 425 and the EN 374 standard derived from it.

Body protection

Antiproof clothing, the type of protective equipment must be selected according to the concentration and quantity of hazardous substances in a particular workplace.

Respiratory system protection

No respiratory protection is required. Use the US OV / AG (US) standard type or the European ABEK (EUEN)

14387) Standard type of respirator filter. The respirator use was tested and passed government standards such as NIOSH (US) or CEN (Breathing apparatus and parts of (EU).

Control of the environmental exposure

No special environmental prevention requirements.

Part 9: Physicochemical properties

Information on the basic

physicochemical Shape: clear, liquid color: colorless

properties

A) Appearance and traits

b) smell	odorless	
c) threshold odour number	No data	
d)pH price	No data	
E) Melting point / freezing	Melting point: -50°C	

point		
F) The initial boiling point and the boiling range	35°C at 1,013 hpa	
g) flash point	321°C closed cup	
h) evaporation rate	No data	
I) Flammability (solid, gas)	No data	

j) high / low combustion or explosive limits

k) vapour pressure	7 hpa at 20°C
l) vapour density	No data
M) density / relative density	0.76-0 g / cm3.97
n) water-solubility	No data
O) n-octanol / water distribution coefficient	No data
p) autogenous ignition temperature	No data
q) decomposition temperature	No data
r) viscosity	No data
S) The explosive characteristics	No data
T) No data on oxidation	No data

Part 10: Stability and Reactivity

stability

Stable under the recommended storage conditions.

Dangerous reaction

No data

Conditions that should be avoided

No data

Ban the match

No data

Hazardous decomposition product

In the case of fire, it will decompose to produce harmful substances.-Product decomposition properties unknown other decomposition products-no data

When burning: see Section 5 Fire Fighting Measures.

Part 11: Toxicology information

Information on the toxicological effects

acute toxicity

No data

Skin corrosion / irritation

No data

Severe eye injury / eye irritation

No data

Breathing or skin allergy

No data

Germ-cell mutagenicity

No data

carcinogenicity

IARC: None of the components in this product of 0.1% were identified as a known or possible carcinogen by IARC.

genotoxicity

Specific target organ system toxicity (primary contact)

No data

Specific target organ system toxicity (repeated exposure)

No data

inhalation hazard

No data

Additional instructions

j) high / low combustion or explosive limits

Chemical substance toxicity, sexual effect register: TQ 2690000

To the best of our knowledge, this chemical, physical and toxic properties have not been fully studied. According to the nature that the simulation should have:

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Part 12: Ecological information

Ecological toxicity

No data

Persistence and degradability

No data

Biostock potential

Mobility in the soil

No data

Evaluation of the results for the PBT and vPvB

PBT / vPvB assessment is not available as chemical safety assessment is not required / not performed

Other environmental harmful effects

Part 13: Waste disposal

Waste disposal methods

product

Leave the remaining and non-recyclable solutions to licensed companies for disposal.

Pollution packaging

Dispose as an unused product.

Part 14: Transportation information

United Nations number / UN number

European Continental Risk / ADR / RID: -International Marine Risk / IMDG: -International Air Risk / IATA-DGR: -

UN Transport Name / UN proper shipping name

European land transport dangerous regulation: non-dangerous goods

ADR / RID: Non-dangerous Goods International Maritime risk regulations: Non-dangerous goods

IMDG: Not dangerous goods

International air transport risk regulations: non-dangerous goods

IATA -DGR : Not dangerous goods

Transportation Hazard Category / Transport hazard class (es)

European Continental Risk / ADR / RID: -International Marine Risk / IMDG: -International Air Risk / IATA-DGR: -

Package group / Packaging group

European Continental Risk / ADR / RID: -International Marine Risk / IMDG: -International Air Risk / IATA-DGR: -

Environmental hazards / Environmental hazards

ADR / RID European Agency for Road Transport / European Agency for Rail Transport: No International Maritime Dangerous Goods Rules (IMDG) Marine pollutants (Yes / No): No International Air Transport Risk Regulation: No

Special precautions / Special precautions for user

Please select the appropriate transport means and the corresponding transport and storage conditions according to the nature of the chemical. The means of transport shall be equipped with corresponding varieties and quantity of fire fighting materials and leakage emergency treatment equipment. If you choose road transportation, please follow the prescribed road Line driving.

Proer / Incompatible materials

Part 15: Regulatory information

Rules / regulations specifically governing the safety, health and environment of this substance or mix

Law of the Occupational Disease Prevention Law of the People's Republic of China

Classification list of occupational-disease-inductive factors: not included

Regulations on the Safety Management of Hazardous Chemicals

List of Dangerous Goods and Chemicals (2018): not included

Measures for the environmental management and registration of hazardous chemicals

List of Hazardous Chemicals for Key Environmental Management (2014): Not included

Regulations on the administration of narcotic drugs and psychotropic drugs

List of narcotic drugs (2013): not included in the list of psychotropic drugs (2013): not included

New measures for the environmental management of chemical substances

China's existing chemical substances list: not included

Other provisions

Please note that waste disposal should also meet the requirements of the local regulations.

Part 16: Other information

reference documentation

- [1] International Chemicals Safety Programme: International Chemicals Safety Card (ICSC) at http://www.ilo.org/dyn/icsc/showcard.home 。
- [2] International Agency for Research on Cancer, http://www.iarc.fr/。
- [3] OECD Global Chemicals Information Platform, available at: http://www.echemportal.org/echemportal/index?pageID=0&request_locale = en 。
- [4] CAMEO Chemical Database http://cameochemicals.noaa.gov/search/simple 。
- [5] American Library of Medicine: Chemical Identification Database at http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp
- [6] U. S. Environmental Protection Agency: Integrated Risk Information System at http://cfpub.epa.gov/iris/。
- [7] U. S. Department of Transportation: Emergency Response Guide at http://www.phmsa.dot.gov/hazmat/library/erg
- [8] German GESTIS-Database of Hazardous Substances at http://gestis-en.itrust.de/ $_{\circ}$
- [9] Sigma-Aldrich, at: https://www.sigmaaldrich.com/

disclaimer:

The information in this MSDS applies only to the products specified, not for the mixture of this product and other substances. This MSDS provides only information on the safety of product use for those appropriately professionally trained users of this product. The user of this MSDS shall make an independent judgment on the applicability of the SDS. The writer of this MSDS will not be responsible for any injuries resulting from the use of this MSDS.