

SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

Version: 1.0

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SECTION 1. Identification of the substance

Product identifiers

Product name: Polydimethylsiloxane

CAS-No.: 70131-67-8

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

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: CHEMLYTE SOLUTIONS CO., LTD

Address: A1-3-830, XiXi Center, No. 588, Wenyi West Road, Hangzhou 310000,
Zhejiang, China

Telephone: +86-(571)-85061365

Fax : +86-(571)-85060165

Emergency telephone number

Emergency Phone # : +1-703-527-3887

Section 2. Hazards Identification

GHS classification: Not a hazardous substance or mixture

Other hazards: No data available

Section 3. Composition/Information on Ingredients

Substances

Mixtures

Component information

Component	CAS number	EINECS number	Mass (%)
Polydimethylsiloxane	70131-67-8		100.0%

Section 4. First Aid Measures

NOTE TO PHYSICIAN

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.

After inhalation

Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention

After skin contact

Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

After eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.

After ingestion

Do not induce vomiting without medical advice. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar tie belt or waistband. Do not use mouth -to- mouth method if victim ingested the substance. Seek immediate medical attention

Most important symptoms/effects, acute and delayed

May be harmful if swallowed.

Section 5. Fire Fighting Measures

Suitable extinguishing agents: Foam, CO₂, dry chemical powder.

Special hazards caused by the material, its products of combustion or flue gases

Can be released in case of fire: Carbon oxides, SiO₂

Protective equipment for fire fighters: Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Section 6. Accidental Release Measures

Person-related safety precautions

Ventilate the area

Follow safe handling advise and personal protective equipment recommendations.

Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or oil barriers).

Retain and dispose of contaminated wash water.

Measures for environmental protection

Local authorities should be advised if significant spillages cannot be contained.

Measures for cleaning/collecting

Pick up and arrange disposal in suitable container. Clean contaminated surface thoroughly.

See Section 7 for information on safe handling

See section 8 for information on personal protection equipment.

Additional information

See Section 13 for information on disposal

Section 7. Handling and Storage

Handling

Information for safe handling Information about protection against explosions and fires

Keep away from heat, sources of ignition sparks or open flame.

STORAGE

Requirements to be met by storerooms and containers

Keep in a cool, dry well-ventilated place.

Keep tightly closed until used.

Information about storage in one common storage facility

Store away from incompatible substances such as strong oxidizing agents, strong bases.

Further information about storage conditions

No data.

Section 8. Exposure Controls/ Personal Protection

Limit Values for Exposure

None.

Appropriate engineering controls General protective and hygienic measures Personal protective equipment

Use adequate ventilation to keep airborne concentrations low. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Splash goggles gloves, apron and a dust/vapor respirator.

Breathing equipment

When workers are facing high concentrations they must use appropriate certified respirators.

Protection of hands

Wear appropriate chemical resistant gloves.

Eye/Face protection

Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.

Body protection

Use clean protective body-covering as needed to minimize contact with clothing and skin.

Note: 1. N.E. means not established.

Section 9. Physical and Chemical Properties

Physical state: A colorless liquid

Colour: Colorless

Odour: Not applicable

Water content: 0.3

Melting point/freezing point: Not applicable

Boiling point or initial boiling point and boiling range: Not applicable

Flammability: No data available

Lower and upper explosion limit/ flammability limit: Not applicable

Flash point: No data available

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Ph: Not applicable

Solubility: Not applicable

Vapour pressure Not applicable

Density and/ or relative density Not applicable

Relative vapour density (air=1) Not applicable

Section 10. Stability and Reactivity

Chemical stability: This is a stable chemical under recommended storage conditions

Conditions to avoid (e. g. static discharge, shock or vibration): None

Incompatible materials: None

Hazardous decomposition products: None

Section 11. Toxicological Information

Routes of Entry Acute Toxicity: Dermal contact, eye contact, ingestion.

Skin corrosion/Irritation: No skin irritation

Serious eye damage irritation: No eye irritation.

Respiratory or skin sensitization: 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

Chronic Effects: Not classified

Further information: No data

Section 12. Ecological Information

Ecotoxicity: Not available

Aquatic Toxicity: Not available

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Additional Information: Not available

Section 13. Disposal Considerations

WASTE DISPOSAL INSTRUCTIONS

Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with local environmental regulations or local authority requirements.

Section 14. Transport Information

DOT

Not regulated for transport

Classification for SEA transport (IMO-IMDG):

Not regulated for transport

Consult IMO regulations before transporting ocean bulk

Section 15. Regulatory Information

US FEDERAL

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

The chemical product is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

Risk Phrases:**Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection)

No information available.

Canada - WHMIS

This product has a WHMIS classification of D2B.

Canadian Ingredient Disclosure List

SECTION 16. Other information

Further information

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