

1. Identification of the substance/mixture and of the company/undertaking**Product identifier**

Product Name: Methyl Hydrogen Silicone Fluid

Item No.: SilibaseMH-8484

Article number: Data not available.

Registration number: Data not available.

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

Application of the substance / the preparation:

Widely used as water repellent agent in gypsum board, as the water proofing agent or anti-adhesive agent, or anti-corrosive agent for textile, fire-extinguishing agent (dry powder), paper, metal, leather, wooden, glass, cement, pottery, marble, etc.

Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

SILIBASE SILICONE

ROOM 1401, PENINSULAT INTERNATIONAL MANSION, JIANDE, ZHEJIANG, CHINA

Tel.: 0086-571-64537063

Fax: 0086-571-64537093

Only Representative/ other EU contact point:

Buyer is not located in European Union. European Union Member State contact not available.

Further information obtainable from: SILIBASE SILICONE

Emergency telephone number:

KOBE WANG

Tel: 0086-159 6717 7856

Email: sales@silibasesilicone.com

2. Hazards identification**Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

Label elements

Labeling according to Regulation (EC) No 1272/2008: Not applicable.

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard-determining components of labelling: Not applicable.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

Other hazards: Not applicable.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture: consisting of the following components.

Dangerous components: Not applicable.

Non-dangerous component:

CAS NO.: 63148-57-2 poly(methylhydrosiloxane) 99,9%

Remark : This MSDS is for the content of 99.9% of the product.

4. First aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth with water.

If symptoms persist consult doctor.

Information for doctor:

Most important symptoms and effects, both acute and delayed. No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures**Extinguishing media****Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture. No further relevant information available.

Advice for firefighters**Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Mouth respiratory protective device.

Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

Handling

Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Keep container tightly closed in a dry and well-ventilated place.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

Specific end use(s): No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs: Data not available.

PNECs: Data not available.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure

Personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Suitable respiratory protective device recommended.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses.

9. Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid

Colour: Colourless

Odour: Slight

Odour threshold: Data not available.

pH-value: Data not available.

Change in condition:

Melting point/Melting range: Data not available.

Boiling point/Boiling range: Data not available.

Freezing point: Data not available.

Flash point: $\geq 150^{\circ}\text{C}$

Flammability (solid, gaseous): Not applicable.

Auto-ignition temperature: Data not available.

Decomposition temperature: Data not available.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits

Lower: Data not available.

Upper: Data not available.

Oxidizing properties: Data not available.

Vapour pressure: Data not available.

Density: 0,995-1,015 g/cm³

Relative density: Data not available.

Vapour density: Data not available.

Evaporation rate: Data not available.

Solubility in / Miscibility with water: Insoluble.

Partition coefficient (n-octanol/water): Data not available.

Viscosity:

Dynamic: Data not available.

Kinematic: Data not available.

Other information

Hydrogen Content: 1.56-1.65%

Volatile Content: ≤4% (150°C, 3H)

10. Stability and reactivity

Reactivity: No decomposition if used according to specifications.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification: Data not available.

Primary irritant effect

on the skin: Irritating effect possible.

on the eye: Irritating effect possible.

Sensitization: Sensitization possible.

Toxicokinetics, metabolism and distribution: No further relevant information available.

Acute effects (acute toxicity, irritation and corrosivity): No further relevant information available.

Repeated dose toxicity: No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

No further relevant information available. 12 Ecological information

Toxicity

Acquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behaviour in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation:Smaller quantities can be disposed of with household waste.

Uncleaned packaging

Recommendation:Disposal must be made according to official regulations.

14. Transport information

The Recommendation of Transport of Dangerous Goods (TDG)

UN-Number

Proper Shipping Name

Class/Division The product is not regulated by TDG.

Package Group The product is non-dangerous goods.

Subsidiary risk

Labelling pictogram

Maritime transport IMDG Being same with TDG

Air transport ICAO-TI and Being same with TDG

IATA-DGR

15.Regulatory information

European/International Regulations

OSHA: Hazardous by definition of Hazard Communication
Standard(29CFR1910.1200) .

EINECS Status: This chemical is not included in EINECS inventory.

EPA TSCA Status: This chemical is included in TSCA public inventory.

Canadian This chemical is included in DSL.

DSL(Domestic

Substances List):

HMLs(Hazardous Health: 2

Material Identification Flammability:0

System Ratings): Physical hazard:0

Personal protection:D

(4.Severe Hazard;3.Serious Hazard;2.Moderate Hazard1; .

Slight Hazard;0 . Minimal Hazard)

WHMIS(Canadian Not listed

Workplace Hazardous

Material Identification

System Ratings):

GB 12268-2012 List of This chemical is not a dangerous goods on the GB12268-2012
dangerous goods list of dangerous goods.

16. other information

Employers should use this information only as a supplement to other information gathered by
them,and should make independent judgement of suitability of this

MATERIAL SAFETY DATA SHEET

Information to ensure proper use and protect the health and safety of employees. This Information is furnished without warranty, and any use of the product not in conformance With this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Abbreviations and ADR: European Agreement concerning the International Carriage of

Acronyms	Dangerous Goods by Road RID: Regulations Concerning the International Transport of Dangerous Goods by Rail IMDG: International Maritime Code for Dangerous Goods IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal Concentration, 50 percent LD50: Lethal dose, 50 percent
Edit Date	27.02.2018
Update and Revise	Original edition
Edit Standard	<i>Globally Harmonized System of Classification and Labelling for Chemicals</i> Part 1.5
Revised Institution	Zhejiang Academy of Science and Technology for Inspection and Quarantine