

SAFETY DATA SHEET

According to 1907/2006/EC, article 31 (REACH) and Regulation (EU) No. 2020/878

Creation date: 20230822

Revision date: 20240102

SDS No: 2023082201

Version: 2.0

Phenyltrimethylsilyloxy

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Product identifier

Product name	Phenyltrimethylsilyloxy
Product Code	HENGDA-FP556

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

Relevant identified uses	Cosmetics
Uses advised against	No information available

1.3 Details of the supplier of the safety data sheet

1.3.1 Details of the Manufacturer

Name	Qingdao Hengda New Material Technology Co., Ltd.
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Postal code	266101
Telephone	+86-0532-66750551
Fax	+86-0532-66750552
E-mail	info@hengdasilane.com

1.4 Emergency telephone

Emergency telephone	+86-0532-66750551
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2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture according to Regulation (EC) 1272/2008 [CLP]

Acute toxicity – Category 2 – Inhalation – H330

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements according to Regulation (EC) 1272/2008 [CLP]

Pictogram(s)	
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Signal word	Danger
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Hazard statements

H330 Fatal if inhaled.

Applies to aerosolized material only.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P284 In case of inadequate ventilation wear respiratory protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

+ P310 Immediately call a POISON CENTER/doctor.

P403 + P223 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard information (EU)

Not applicable.

2.3 Other hazards

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name of the substance: Reaction mass of 1,1,1,5,5,5-hexamethyl-3-phenyl-3-((trimethylsilyl)oxy)trisiloxane and 1,1,1,7,7,7-hexamethyl-3,5-diphenyl-3,5-bis((trimethylsilyl)oxy)tetrasiloxane and 1,1,1,9,9,9-hexamethyl-3,5,7-triphenyl-3,5,7-tris((trimethylsilyl)oxy)pentasiloxane

CASRN: 70131-69-0

This product is a substance.

CASRN	Concentration	Component	Classification
70131-69-0	>= 99,0 - <= 100,0 %	Silsesquioxanes, phenyl trimethylsilyloxy-terminated	Acute Tox. - 2 - H330

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST-AID MEASURES**4.1 Description of first aid measures**

General advice	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Skin contact	Wash off immediately with plenty of water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Inhalation	Move person to fresh air and keep comfortable for breathing; consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Water spray. Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemical.
Unsuitable	None known.

5.2 Special hazards arising from the substances or mixture

Hazardous combustion products: Silicon oxides. Carbon oxides.

Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health..

5.3 Advice for firefighters

Fire Fighting Procedures: Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment..

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Only trained personnel should re-enter the area. Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Clean up remaining materials from spill with suitable absorbant. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

6.4 Reference to other sections

For disposal see section 7, 8, 11, 12 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapours or spray mist. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Keep container tightly closed. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.

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CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied.

Use with local exhaust ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

7.2 Conditions for safe storage, including any incompatibilities

Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations.

7.3 Special end use(s)

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

8.2 Appropriate engineering controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Hand protection	Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.
Eye protection	Use safety glasses (with side shields).
Respiratory	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.
Thermal hazard	No information available

8.4 Restrictions environmental exposure

Prevent material from entering surface waters and soil. Do not introduce large amounts into purification plants.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Color	Colourless
Odour	None
Odour threshold	No information available
pH	No information available
Melting/freezing point	No information available
Initial boiling point and boiling range	>250 °C
Flash point	>101 °C (closed cup)
Evaporation rate	No information available
Flammability	Ignitable (see flash point)
Lower and upper explosion limit/flammability limit	No information available
Vapour pressure	No information available
Vapour density(air=1)	No information available
Density(water=1)	0.98 g/cm ³ (25 °C)
Bulk density	No information available
Solubility(water)	No information available
Partition coefficient n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	20 cSt at 25 °C
Explosive properties	No explosive properties
Oxidising properties	The substance or mixture is not classified as oxidizing.
Molecular mass:	No information available

9.2 Other information**9.2.1. Information with regard to physical hazard classes**

No information available.

9.2.2. Other safety characteristics

No information available.

10. STABILITY AND REACTIVITY**10.1 Reactive**

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Can react with strong oxidizing agents

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

Decomposition products can include and are not limited to: Benzene.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section 10 Regulatory Information, MSDS Section 15

Treatment and disposal methods of used packaging: Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

14. TRANSPORT INFORMATION

Land transport (ADR/RID)	
UN Number	Not regulated for transport
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not regulated for transport
Packing group	Not regulated for transport
Classification code	Not regulated for transport
Marine transport (IMDG)	
UN Number	Not regulated for transport
UN proper shipping name	Not regulated for transport
Transport hazard class(es)	Not regulated for transport
Packing group	Not regulated for transport
EMS No.	Not regulated for transport
Remarks	Not regulated for transport
Air transport (ICAO/IATA)	
UN Number	Not regulated for transport
UN proper shipping name	Not regulated for transport

Transport hazard class(es)	Not regulated for transport
Packing group	Not regulated for transport
Classification code	Not regulated for transport
Environmental hazards	Not regulated for transport
Special precautions for user	Not regulated for transport

15. REGULATORY INFORMATION

Classification and labeling have been performed according to regulations.

16. OTHER INFORMATION

Issued By	Qingdao Hengda New Material Technology Co., Ltd.
Revision Date	2024/01/02
Reason for modification	-

REFERENCE

- [1] IPCS - The International Chemical Safety Cards (ICSC),
website:<http://www.ilo.org/dyn/icsc/showcard.home>
- [2] HSDB - Hazardous Substances Data Bank, website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>
- [3] IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>
- [4] eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website:
<https://www.echemportal.org/echemportal/substance-search>
- [5] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>
- [6] US National Institutes of Health: Pubchem, website: <https://pubchem.ncbi.nlm.nih.gov/>
- [7] ChemIDplus, website: <https://www.nlm.nih.gov/databases/download/chemidplus.html>
- [8] ERG - Emergency Response Guidebook by U.S. Department of Transportation, website:
<http://www.phmsa.dot.gov/hazmat/library/erg>
- [9] Germany GESTIS-database on hazard substance, website: <https://gestis-database.dguv.de/>
- [10] ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

ABBREVIATIONS AND ACRONYMS

CAS: Chemical Abstracts Service
 ADR: Agreement concerning the International Carriage of Dangerous Goods by Road
 RID: Regulation concerning the International Carriage of Dangerous Goods by Rail
 IMDG: International Maritime Dangerous Goods
 IATA: International Air Transportation Association
 TWA: Time Weighted Average
 STEL: Short term exposure limit
 LC₅₀: Lethal Concentration 50%
 LD₅₀: Lethal Dose 50%
 EC₅₀: Effective Concentration 50%

STATEMENT

This safety technical specification (SDS) is prepared according to Regulation (EC) No 1907/2006 and Regulation (EU) No 2020/878. The data collected are from authoritative international databases and provided by enterprises themselves. Other information is based on our current state of knowledge. We try to make sure all the information is correct. However, due to the diversity of information sources and the limitations of our knowledge,

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