

SAFETY DATA SHEET

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

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Vinyl Terminated Silicone Fluids (Vi-PDMS)

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

1.1 Product identifier

Product name	Vinyl Terminated Silicone Fluids (Vi-PDMS)
Synonyms, trade names	HENGDA-FV211, FV100, FV200, FV300, FV500, FV1000, FV1500, FV5000, FV10000 Vinyl End-Blocked Silicone Fluid, Vinyl Terminated Polydimethylsiloxane, Vinyl Terminated Silicone oil, Vinyl end-capped Polydimethylsiloxane,

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

Relevant identified uses	Industrial.
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.
Address	Qingdao International Innovation Park, Qingdao, China.
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]

Not hazardous

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

Signal word	None
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Hazard statements

Not hazardous

Precautionary statements

Avoid contact with skin and eyes. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

Supplemental Hazard information (EU)

Not applicable.

2.3 Other hazards

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Name	Product designation	Content (weight percentage, %)	Classification according to Regulation (EC) 1272/2008 [CLP]	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Vinyl Terminated Polydimethylsiloxane	CAS nr: 68083-19-2	100.0%	/	/

3.2 Mixture

Not applicable.

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

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Water spray Alcohol-resistant foam Carbon dioxide Dry chemical
Unsuitable	None established.

5.2 Special hazards arising from the substances or mixture

Do not use a solid water stream as it may scatter and spread fire.
Flash back possible over considerable distance.
Exposure to combustion products may be a hazard to health.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition
Ventilate 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

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

6.4 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 information on disposal

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin eyes, mucous membranes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested.
Keep away from heat, sources of ignition sparks or open flame.

7.2 Conditions for safe storage, including any incompatibilities

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

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

7.3 Special end use(s)

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values

Component	Country	Occupational exposure limits	
		Eight hours	Short term
Trimethoxyl terminated Polydimethylsiloxane	-	-	-

8.2 Appropriate engineering controls

Use with adequate ventilation.

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

Eye/face protection	Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Respiratory	Wear dust mask when handling large quantities.
Thermal hazard	No information available

8.4 Restrictions environmental exposure

No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid (20°C/ 1,013 hPa)
Color	Colorless
Odour	No information available
Odour threshold	No information available
pH	No information available
Melting/freezing point	No information available
Initial boiling point and boiling range	> 200 °C
Flash point	> 110°C

Evaporation rate	No information available
Flammability	No information available
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)	0.97g/cm ³ (25°C)
Bulk density	No information available
Solubility	No information available
Partition coefficient n-octanol/water	No information available
Explosive properties	No information available
Oxidising properties	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

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

10.2 Chemical stability

This is a stable chemical under recommended storage conditions

10.3 Possibility of hazardous reactions

Use at elevated temperatures may form highly hazardous compounds.
Can react with strong oxidizing agents
Hazardous decomposition products will be formed at elevated temperatures.

10.4 Conditions to avoid

Handling operations that can promote accumulation of static charges
Heat, flames and sparks.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Oxidizing agents

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Dermal contact, eye contact, ingestion.
Acute Toxicity	
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	May cause respiratory irritation.
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Chronic Effects	Not classified
Further information	No data

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

14. TRANSPORT INFORMATION

Transport pictograph	No information available
Transport	Classification
Land transport (ADR/RID)	
UN Number	Not classified as dangerous goods
UN proper shipping name	No information available

Transport hazard class(es)	No information available
Packing group	No information available
Classification code	No information available
Marine transport (IMDG)	
UN Number	Not classified as dangerous goods
UN proper shipping name	No information available
Transport hazard class(es)	No information available
Packing group	No information available
EMS No.	No information available
Remarks	No information available
Air transport (ICAO/IATA)	
UN Number	Not classified as dangerous goods
UN proper shipping name	No information available
Transport hazard class(es)	No information available
Packing group	No information available
Classification code	No information available
Environmental hazards	No information available
Special precautions for user	No information available

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture International Chemical Inventory

Component	EINECS	TSCA	DSL/NDSL	IECSC	NZIoC	PICCS	KECI	AICS
Trimethoxyl terminated Polydimethylsiloxane	-	-	-	-	-	-	-	-

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Note

EINECS	European Inventory of Existing Commercial Chemical Substances.
TSCA	United States Toxic Substances Control Act Inventory.
DSL/NDSL	Canadian Domestic/Non-domestic Substances List.
IECSC	Inventory of Existing Chemical Substances in China
NZIoC	New Zealand Inventory of Chemicals.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
KECI	Korea Existing Chemicals Inventory
AICS	Australia Inventory of Chemical Substances.

16. OTHER INFORMATION

Issued By	Qingdao Hengda New Material Technology Co., Ltd.
Revision Date	2023/08/22
Reason for modification	-

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, this document is for user reference only. Users should make independent judgments about the suitability of this information for their specific purposes. We are not liable for any loss, damage or expense arising from or in connection with the handling, storage, use or disposal of the Products.

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