


Material Safety Data Sheet		
Dimethicone		
Version:2.0	Revision date: May 1, 2021	
File No.: YS-SDS-025-2	Page: 1 / 5	

## 1. Chemical Product and Company Identification

**INCI name:** Dimethicone

**CAS No.:** 9006-65-9

**Chemical structure:**  $C_3H_9OSi.(C_2H_6OSi)_n.C_3H_9Si$

**Trade name:** Yeser® Dimethicone

**Product application:** Mainly used as a lubricant and a conditioning agent in hair care products, and a skin protectant in skin care products.

**Supplier name:** GUANGZHOU YESER CHEMICALS CO., LTD

**Supplier address:** Room 903-05, Building E, Longxi Center, No.18 Qide Road, Guangzhou City, China

**Website:** yeserchem.com **E-mail:** info@yeserchem.com

**Contact number:** +86-20- 86213761 400-0768-668

**Emergency contact number:** +86-20- 86213761

## 2. Hazards Identification

**Acute eye:** May cause allergic redness.

**Acute skin:** May cause allergic redness.

**Acute inhalation:** Inhalation not likely.

**Acute ingestion:** Non-toxic.

**Chronic effects:** No carcinogenicity.


## 3. Composition/Information on Ingredients

Component	CAS NO.	Percentage %
Dimethicone	9006-65-9	≥98.5
Cyclotetrasiloxane	293-51-6	≤0.5
Cyclopentasiloxane	541-02-6	≤1.0

## 4. First aid Measures

**Inhalation:** Inhalation is not an expected route of exposure, If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Skin contact:** In case of contact, immediately wash with plenty of soap and water for at least 15 minutes, See medical, Remove contaminated clothing and shoes, clean contaminated clothing

Material Safety Data Sheet		
Dimethicone		
Version:2.0	Revision date: May 1, 2021	
File No.: YS-SDS-025-2	Page: 2 / 5	

and shoes before use.

**Eye contact:** Held eyelids open and flush with a steady ,gentle stream of water for at least 15minutes. Seek medical attention.

**Ingestion:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

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## 5. Fire-fighting Measures

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**Flash point:** > 93°C (200°F).

**Method used:** Closed cup.

**Flammability limits(vol/vol%):** Lower= No Data Upper =No Data

**Extinguishing media:** Recommended (small fire): Carbon dioxide, dry chemical.

Recommended (large fire): foam, universal water spray.

**Special firefighting procedures:** Fire fighters should wear fire NIOSH/MSHA approved self-contained breathing, apparatus and full protective clothing.

**Unusual fire and explosion hazards:** Product will burn under fire conditions. No explosion risk.

**Hazardous decomposition material (under fire conditions):** Oxides of carbon. Silicone oxide.

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## 6. Accidental Release Measures

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**Evacuation procedures and safety:** Wear appropriate protective gear for the situation, See Personal Protection Information in Section 8.

**Cleanup and disposal of spill:** Remove the materials to avoid dust accumulation, then wash the ground with water, and put them into a suitable container after cleaning up as much as possible.

**Environment and regulatory reporting:** Do not flush to drain, Spills may be reportable to the National Response Center and state and / or local agencies.

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## 7. Handling and storage

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**Minimum/Maximum Storage Temperatures:** 4-40°C (39 to 104°F) recommended.


**Handling:** Avoid direct or prolonged contact with skin and eyes.

**Storage:** Store in a closed container, in a spacious, dry and ventilated place, avoid high temperature, keep away from fire sources, avoid contact with water vapor, keep the integrity and airtightness of the package, and keep away from incompatible substances. For details, please refer to Point 10 (Stability and Reactivity); The shelf life is two years when the package is complete and unopened at the recommended storage temperature.

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## 8. Exposure controls/personal protection

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Material Safety Data Sheet		
Dimethicone		
Version:2.0	Revision date: May 1, 2021	
File No.: YS-SDS-025-2	Page: <b>3 / 5</b>	

**Engineering controls:** Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures wet processing methods to reduce dust generation.

**Respiration protection:** When respirators are required, select the occupation safety manages the section approved equipment, based on actual or potential airborne concentrations and in accordance with the Appropriate regulatory standard and/or industrial recommended. For reasonably foreseeable industrial end uses of this material respiratory protection should not be necessary.

**Eye/face protection:** Eye and face protection equipment will vary dependent upon work environment Conditions and material handling practices. Appropriate the department concerned approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of chemical safety glasses with side shields or splash proof goggles. Emergency eyewash must be readily accessible to the work area.

**Skin protection:** Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants) Consideration must be given both to durability as well as permeation resistance.

**Work practice controls:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this maternal is stored.
- (2) Wash hand and face carefully eating, drinking, using tobacco applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

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## 9. Physical and chemical properties

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Appearance: Transparent viscous liquid

Flavor: Characteristic smell

Water soluble: Insoluble

Boiling point: >260°C @ 760mmHg

Vapor pressure: < 0.1mmHg @ 25°C

Density: about 0.95 g/ml @ 25 °C

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## 10. Stability and reactivity


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**Stability:** Stable under normal handling and storage conditions described in Section 7.

**Conditions to avoid:** Excessive heat, open flame and spark.

**Materials and Chemicals to Avoid:** Strong oxidizing agents.

**Hazardous decomposition products:**

<b>Material Safety Data Sheet</b>		
Dimethicone		
Version:2.0	Revision date: May 1, 2021	
File No.: YS-SDS-025-2	Page: <b>4 / 5</b>	

Thermal decomposition may product oxides of carbon and silicone oxide.

**Hazardous polymers:** Will not occur.

#### 11. Toxicological information

**Acute toxicity:** No data available

**Skin irritation or corrosion:** No data available

**Eye irritation or corrosion:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

#### 12. Ecological information

**Ecotoxicity:** No data available

**Biodegradability:** No data available

**Potential bioaccumulation:** No data available

#### 13. Disposal considerations

**Waste disposal method:** Firstly, consider the possibility of recycle use of the product.

Please be advised that state and local requirement for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material

**Container handling and disposal:**

Any containers or equipment used should be decontaminated immediately after use.

#### 14. Transport information

**Ground transportation:** Not classified as dangerous good under transport regulations.

**Shipping IMDG:** Not classified as dangerous good under transport regulations.

**Air transport IATA DGR:** Not classified as dangerous good under transport regulations.


#### 15. Regulatory Information

Regulations on the Control over Safety of Dangerous Chemicals (State Council Decree No. 591), for the safe use of hazardous chemicals, production, storage, transport, handling, etc. are made corresponding provisions.

"Hazardous Chemicals Directory 2015 Edition", Product is not in the Dangerous Chemicals List.

It does not require identification.

According to EU regulations, when handling chemicals should follow general rules.

Material Safety Data Sheet		
Dimethicone		
Version:2.0	Revision date: May 1, 2021	
File No.: YS-SDS-025-2	Page: 5 / 5	

## 16. Other Information

### Writing and revising information

**Date originally compiled:** July 8, 2017

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IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by our company hereunder are given gratis and we assume no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

END OF DATA SHEET