

# Material Safety Data Sheet

SiCare®9905 (MSDS)

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Version No.: 2.0  
Revision Date: 26.07.2017

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product Name:	SiCare®9905
1.2 Chemical Classification:	Silicone
1.3 Dangerous Goods Classification:	Non Hazardous
1.4 Manufacturer/Supplier:	Hunan Silok Silicone Co., Ltd.
1.5 Address:	Yu Ping Mountain International Industrial City, Xie Yuan North Rd. Ning Xiang Economic development zone, Chang Sha City.
1.6 Post Code:	410600
1.7 Emergency Telephone No.:	+86-20-3221-9284
1.8 Customer Service Telephone No.:	+86-20-3221-9899
1.9 Fax No.:	+86-20-3221-9200

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Chemical Characterization:	Mixture												
2.2 Physical Form:	Gel												
2.3 Color:	Colorless transparent to translucent												
2.4 Main Application:	Personal care- emulsion, cream, gel, moisturizing spray, make-up (pressed powder, eyes shadow, lip-gloss, lipstick etc.), hair care, shampoo, antiperspirant, deodorant; cosmetics additives. Commonly used for below series of products: Skin care products, make-up, hair care, antiperspirant and deodorant.												
2.5 Ingredients:	<table border="1"> <thead> <tr> <th><u>Chemical Name:</u></th> <th><u>CAS No.</u></th> <th><u>% (w/w)</u></th> <th><u>EINECS</u></th> </tr> </thead> <tbody> <tr> <td>Cyclopentasiloxane</td> <td>541-02-6</td> <td>80.0-92.0</td> <td>208-764-9</td> </tr> <tr> <td>Dimethicone Crosspolymer</td> <td>213629-14-2</td> <td>8.0-12.0</td> <td>226-171-3</td> </tr> </tbody> </table>	<u>Chemical Name:</u>	<u>CAS No.</u>	<u>% (w/w)</u>	<u>EINECS</u>	Cyclopentasiloxane	541-02-6	80.0-92.0	208-764-9	Dimethicone Crosspolymer	213629-14-2	8.0-12.0	226-171-3
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## 3. HAZARD IDENTIFICATION

3.1 GHS Category:	Health Category 1 Flammable Category 4 Radioactivity Category 0
3.2 Health Hazard	
3.2.1 Acute Effect	
Eyes:	Direct contact can cause temporary redness and discomfort.
Skin:	Exposure in single short time causes no significant impacts.
Ingestion:	Only very low intake danger at regular use.
Inhalation:	Exposure in single short time causes no significant impacts.
3.2.2 Chronic Effect	
Skin:	Repeated or long time exposure may cause irritation.
Ingestion:	Repeated or large amount of intake may cause internal harm for body.
Inhalation:	No suitable data.

## 4. FIRST AID MEASURES

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<b>4.1 Eyes:</b>	Immediately rinse contaminated eyes with flowing water, slight rinse eyes for 15 minutes with water before opening. Medical treatment.
<b>4.2 Skin:</b>	No need of first aid.
<b>4.3 Inhalation:</b>	Move to fresh air.
<b>4.4 Ingestion:</b>	Medical treatment.
<b>4.5 Note:</b>	Treat according to person's condition and specifics of exposure.
<b>5. FIRE-FIGHTING MEASURES</b>	
<b>5.1 Extinguishing Media:</b>	Use dry chemicals, foam or water mist for a big fire. Use CO <sub>2</sub> , dry chemicals and water mist for a small fire. Use water to cool down containers exposed in the fire.
<b>5.2 Special Fire Fighting Procedures and Equipment:</b>	According to the local emergency plan to decide whether to evacuate or insulate the fired area or not. Self-contained respirator and protective clothing should be worn at putting out fires involved with chemicals.
<b>5.3 Specific Hazards:</b>	None.
<b>5.4 Unsuitable Extinguishing Media:</b>	Undetermined.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal Precautions:</b>	Avoid skin and eyes contact. Do not take inhalation of aerosol or fog. Do not take internally.
<b>6.2 Environmental Precautions:</b>	Prevent spreading or entering into sewers, drainage ditches, or rivers by sand, soil or other appropriate inhibitors.
<b>6.3 Methods for Eliminating</b>	According to the local emergency plan to decide whether to evacuate or insulate the fired area or not. Follow all using recommendations of PPE listed at MSDS. If blocked materials can be sucked up, it should be cased into in suitable container. Clean leaked remains with suitable absorbant. Clean leaked area suitably, even small quantities of leakage may cause a slip hazard. Final clean is required using of steam, solvents or detergents. Take suitable treatments for saturated absorbant or clean materials as a self-heating may occur. Relative laws and regulations may be applicable to leakage and release of this substance, also applicable to cleaning leaked material articles.
<b>7. HANDLING AND STORAGE</b>	
<b>7.1 Handling Precautions:</b>	Use with full ventilation and exhaust equipment. Avoid eyes contact. Do not take internally. Exercise good industrial hygiene practice. Wash after operations, especially before eating, drinking or smoking.
<b>7.2 Storage Hints:</b>	Static will be accumulated and may ignite aerosol, through grounding, paralleling or inert gas protection to avoid possible fire hazard. Keep container in sealed condition, far away from sparks and flame.
<b>7.3 Suitable Packaging Materials:</b>	Not determined
<b>8. CONTACT CONTROLS / PERSONAL PROTECTION</b>	
<b>8.1 Engineering Controls</b>	

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**Local Ventilation:** No need to use.

**General Ventilation:** Recommended.

## 8.2 Personal Protective Equipment for

**Routine Handling:**

**Respiratory Protection:** No need of respiratory protection.

**Suitable Respirator:** No need to use.

**Eyes Protection:** Use proper protection - safety glasses as a minimum.

**Hands Protection:** Chemical protective gloves must be worn, if repeated or long-term contacting.

**Skin Protection:** Wash at mealtime or off work.

**Hygiene Measures:** Exercise good industrial hygiene practice. Wash after operation, especially before eating, drinking or smoking.

## 8.3 Personal Protective Equipment for Spills:

**Respiratory Protection:** No need of respiratory protection.

**Eyes Protection:** Use proper protection - safety glasses as a minimum.

**Skin Protection:** Wash at mealtime or off work.

**Precautionary Measures:** Avoid eyes contact. Do not take internally. Adopt proper protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Physical Form:</b>	Gel
<b>9.2 Color:</b>	Colorless transparent to transparent
<b>9.3 Odor:</b>	Odorless
<b>9.4 pH:</b>	No suitable data
<b>9.5 Melting Point:</b>	No suitable data
<b>9.6 Combustion Speed:</b>	6.90 mm/s
<b>9.7 Viscosity:</b>	150,000-200,000 mm <sup>2</sup> /s 25°C
<b>9.8 Silica Gel Content:</b>	10.0±2.0%
<b>9.9 Explosive Temperature:</b>	No suitable data
<b>9.10 Explosive Property:</b>	None
<b>9.11 Vapor Pressure:</b>	No suitable data

(The information above is for reference only.)

## 10. STABILITY AND REACTIVITY

<b>10.1 Stability:</b>	Stable.
<b>10.2 Materials to Avoid:</b>	Can react with strong oxidant.
<b>10.3 Decomposition Products:</b>	SiO <sub>2</sub> .CO <sub>2</sub> and small amount of incomplete burned carbide. Methanal.
<b>10.4 Hazardous Polymerization:</b>	Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>11.1 Exposure Route:</b>	Skin contact and accidental ingestion.
<b>11.2 Signs and Symptoms of Overexposure:</b>	No obvious adverse effects at regular use.
<b>11.3 Acute Toxicity:</b>	
<b>Eyes:</b>	Direct contact can cause temporary redness and discomfort.

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<b>Skin:</b>	Exposure for single short time may cause no significant impacts.
<b>Ingestion:</b>	Only very low intake danger at regular use.
<b>Inhalation:</b>	Exposure for single short time may cause no significant impacts.
<b>11.4 Chronic Toxicity:</b>	
<b>Skin:</b>	Repeated or long time exposure may cause irritation.
<b>Ingestion:</b>	Repeated or large intake may cause internal harm for body.
<b>Inhalation:</b>	No suitable data.
<b>11.5 Other Health Dangerous Information:</b>	No suitable data.
Potential danger listed above is based on composition analysis of the product or similar one, and the review from experts.	
<b>12. ECOLOGICAL INFORMATION</b>	
<b>12.1 Environment Impact and Distribution:</b>	By depositing or bonding to the silt, Siloxane will be separated out from the water, then degraded in the soil.
<b>12.2 Environment Impact:</b>	Acute effects: Could not predict its harm to aquatic organisms. Chronic effects: Could not predict its harm to aquatic organisms.
<b>12.3 Impact on the Waste Water Treatment Plant:</b>	Could not predict its harmful effects on bacteria.
<b>12.4 Durability and Degradability:</b>	
<b>Water:</b>	Solid articles, cannot be dissolved into water.
<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>13.1 Product Disposal:</b>	Dispose according to local regulations.
<b>13.2 Packaging Disposal:</b>	Dispose according to local regulations.
<b>14. TRANSPORT INFORMATION</b>	
<b>14.1 Road and Rail Transport</b>	
<b>UN Code:</b>	UN1325
<b>Transport Name:</b>	Flammable solids, organic, n.o.s.
<b>Industry Use Name:</b>	Cyclosiloxane
<b>Category:</b>	4.1
<b>Package Category:</b>	II
<b>Hazard Label:</b>	Flammable Solid
<b>14.2 Sea Transport (IMDG):</b>	
<b>UN Code:</b>	UN135
<b>Transport Name:</b>	Flammable solids, organic, n.o.s.
<b>Industry Use Name:</b>	Cyclosiloxane
<b>Category:</b>	4.1
<b>Package Category:</b>	II
<b>Hazard Label:</b>	Flammable Solid
<b>14.3 Air Transport (IATA):</b>	
<b>UN Code:</b>	UN135
<b>Transport Name:</b>	Flammable solids, organic, n.o.s.
<b>Industry Use Name:</b>	Cyclosiloxane

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<b>Category:</b>	4.1
<b>Package Category:</b>	II
<b>Hazard Label:</b>	Flammable Solid
<b>14.4 Special requires and other information:</b>	None
<b>15. REGULATORY INFORMATION</b>	
<b>15.1 Application Regulatory:</b>	
Regulations on Chemicals of Workplace Safety Use (1996) NO.423 issued by Labor Department, relevant regulations were made for chemicals safety use, production, storage, shipment, loading and unloading.	
<b>16. OTHER INFORMATION</b>	
<b>Contact us:</b>	<b>Technical Information Center (86 20)32219284</b>
<b>Prepared by:</b>	<b>Hunan Silok Silicone Co., Ltd.</b>
This information is offered in good faith as typical values and not as a product specification. No warranties, expressions or implications are hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.	