

Material Safety Data Sheet

SiCare®2975T (MSDS)

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Version No.: 2.0
Revision Date: 27.07.2017

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product Name:	SiCare®2975T
1.2 Chemical Classification:	Amino Silicone Micro-Emulsion
1.3 Dangerous Goods Classification:	Not restricted
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:	Compound		
2.2 Physical Form:	Transparent to micro-turbid liquid		
2.3 Color:	Blue phase light yellow		
2.4 Main Application:	Personal care- hair care, shampoo Personal care- hair care, perm agent Personal care- hair care, fixatives Personal care- hair care, hair conditioner Personal care- hair care, coloring agent Personal care- hair care, moisture/sunscreen		
2.5 Ingredients:	<u>Chemical Name:</u>	<u>CAS No.</u>	<u>% (w/w)</u>
	Amodimethicone		23-27
	Trideceth-12	24938-91-8	5-10
	Phenoxyethanol	122-99-6	<1
	Water	7732-18-5	66-67

3. HAZARD IDENTIFICATION

3.1 Hazards Category:	Acute toxicity (via oral) category5 Skin corrosion/eyes irritation category 2 Serious eyes damage/eyes irritation category 2A For water environment hazard category2 For water environment hazard category3
3.2 Health Hazard:	
3.2.1 Acute Effect:	
Eyes:	Direct contact can cause serious irritation.
Skin:	May cause moderate irritation.
Inhalation:	Aerosol and /or moisture irritates respiratory tract.
Ingestion:	May irritate oral, throat and stomach. Ingestion may be harmful.

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3.2.2 Chronic Effect:

Skin:	Repeated or long time exposure may cause serious irritation.
Ingestion:	Repeated or long time ingestion may cause internal hurt.
Inhalation:	Repeated or large ingestion may cause internal hurt.

4. FIRST AID MEASURES

4.1 Eyes:	Immediately rinse with water for 15 min. Seek medical treatment.
4.2 Skin:	Wipe off from skin and use soap and water to wash thoroughly. If irritation or other symptoms occur and continue, seek medical treatment.
4.3 Inhalation:	Move to fresh air place. If symptom continues, seek medical treatment.
4.4 Ingestion:	Seek medical treatment.
4.5 Note:	Treat according to person's condition and specifics of exposure.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishers:	Use dry chemicals, foam or water mist for big fire. Use CO ₂ , dry chemicals and water mist for small fire. Use water to cool down containers exposed in the fire. Most fire extinguishing media will cause hydrogen evolution. When the fire breaks out, hydrogen may accumulate in poorly ventilated or confined areas and result in flash fire or explosion if ignited. Foam blankets may also trap hydrogen or flammable vapors, with the possibility of subsurface explosion.
5.2 Special Fire Fighting Procedures and Equipment:	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 when putting out fires involved with chemicals.
5.3 Specific Hazards:	None.
5.4 Prohibited Extinguishers:	Not determined.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:	Do not get into eyes. Avoid skin contact. Do not take inhalation of aerosol, moisture, dust or smog. Keep container sealed. Do not take internally.
6.2 Environmental Precautions:	Prevent spreading or entering into sewers, drainage ditches, or rivers by sand, soil or other appropriate inhibitors.
6.3 Methods for Eliminating:	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 in 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.

7. HANDLING AND STORAGE

7.1 Handling Precautions:	Use full adequate ventilation and exhaust equipment. Avoid eye contact. Do not take internally. Apply good industrial hygiene practice. Wash after handling,
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7.2 Storage Conditions:	especially before eating, drinking or smoking. Be careful, keep far away from oxidized material storage.
7.3 Suitable Packaging Materials:	Unsuitable materials: Not determined.

8. CONTACT CONTROLS / PERSONAL PROTECTION

8.1 Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

8.2 Personal Protective Equipment for

Routine Handling:

Respiratory protection: Adopt respiratory protection, unless there is sufficient local ventilation or exposure assessment to prove its level under suggested exposure guidance level range.

Suitable Respirator: Organic aerosol/dust/moisture type.

Eyes Protection: Use chemical safety glasses.

Hands Protection: Chemical safety protective gloves recommended.

Skin Protection: Have a suitable wash at mealtime or off work.

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

8.3 Personal Protective Equipment For Spills:

Respiratory Protection: Use SCBA or other air supply respirator.

Eyes Protection: Use full face piece mask respirator.

Skin Protection: Have a suitable wash at mealtime or off work. Take off contaminated clothes and shoes, having a comprehensive washing before next usage; chemical protection gloves recommended.

Precautionary Measures: Do not get into eyes. Avoid skin contact. Do not take inhalation of aerosol, moisture, dust or smog. Keep container in sealed condition. Do not take internally. Use proper protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form: Transparent to tiny turbid liquid

9.2 Color: Light yellow

9.3 Solubility: Water dispersion/oil soluble

9.4 pH: 4.5-6.5

9.5 Flash Point: >100°C

9.6 Explosive Temperature: No suitable data

9.7 Explosive Property: None.

9.8 Oxidation property: None.

9.9 Effective Content%: 25.00%

9.10 Vapor Pressure: No suitable data

(The information above is for reference only.)

10. STABILITY AND REACTIVITY

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10.1 Stability:	Stable under normal use.
10.2 Materials to Avoid:	Can react with strong oxidizer.
10.3 Decomposition Products:	CO ₂ and traces of incompletely burned carbide. SiO ₂ . Nitrogen oxide. Methanal. Hazardous polymerization will not occur.

10.4 Hazardous Polymerization:

11. TOXICOLOGICAL INFORMATION

11.1 Exposure Route:	Inhalation, skin contact, eye contact and accidental ingestion.
11.2 Signs and Symptoms of Overexposure:	Ingestion may be harmful. Cause skin and eyes irritation.
11.3 Acute Toxicity:	
Eyes:	Direct contact can cause serious irritation.
Skin:	May cause moderate irritation.
Ingestion:	May irritate oral, throat and stomach. Ingestion may be harmful.
Inhalation:	Aerosol and/or moisture irritates respiratory tract.
11.4 Chronic Effects:	
Skin:	Repeated or long time exposure may cause serious irritation.
Ingestion:	Repeated or large intake may cause internal harm for body.
Inhalation:	Repeatedly or a lot exposure inhalation may cause physical harm.
11.5 Other Health Dangerous Information:	No suitable data.
Potential danger listed above is based on components analysis of the product or similar ones and reviews from experts.	

12. ECOLOGICAL INFORMATION

12.1 Environment Impact and Distribution:	By depositing or bonding to the silt, Siloxane will be separated out from the water, then degraded in the soil.
12.2 Environment Impact:	
Acute Effects:	It has certain toxicity to aquatic organisms.
Chronic Effects:	It has certain toxicity to aquatic organisms and has a long-term effect. Could not predict its harmful effects on bacteria. The siloxane in this product is not part of BOD.
12.3 Impact on the Waste Water Treatment Plant:	

13. DISPOSAL CONSIDERATIONS

Waste must not be released into sewer, water and oil, chemical products and packers must not pollute pond, water source or sewer. Rest and unrecoverable waste leave to approved company to destroy.

13.1 Product Disposal:	Dispose according to local regulations.
13.2 Packaging Disposal:	Dispose according to local regulations.

14. TRANSPORT INFORMATION

14.1 Road and Rail Transport	Not restricted.
14.2 Sea Transport (IMDG):	Not subject to IMDG code.
14.3 Air Transport (IATA):	Not subject to IATA code.
14.4 Special Require And Other Information:	None

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15. REGULATORY INFORMATION

15.1 Application Regulatory:

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.

16. OTHER INFORMATION

Contact Point:

Technical Information Center (86 20)32219284

Prepared by:

Hunan Silok Silicone Co., Ltd.

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.