



# Safety Data Sheet

SDS CODE: TC-TE-RES-031:001 1/4

Version: A/1 Last update: 2016-3-17

## Tinci (R) TC-1214

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY			
1.1	INCI Name:	CYCLOPENTASILOXANE & DIMETHICONE	
1.2	CAS No:	541-02-6&63148-62-9	
1.3	Chemical Classification:	Transparent Silicone	
1.4	Dangerous Goods Classification:	Not assessed.	
1.5	Company Details:		
	Manufacture/Supplier:	<b>Guangzhou Tinci Materials Technology Co., Ltd</b>	
	Address:	8 <sup>th</sup> Kangda Road, Yunpu Industrial Zone, Huangpu District, Guangzhou, China	
	Telephone Number:	(86 20) 82251159 fax No.(86 20)82058669	
	Emergency Telephone Number:	(86 20) 82251159	
	Contact Person:	Technical support engineer	
1.6	The date of taking effect:	March 2016	
2. COMPOSITION/INFORMATION ON INGREDIENTS			
2.1	Chemical characterization:	Mixture	
2.2	Physical Form:	Clear viscous liquid	
2.3	Color:	Colorless	
2.4	Use:	Personal care additive	
2.5	Hazardous Ingredients:		
	Chemical Name	CAS No	% (w/w)      Symbols & Health Risk Phrases
	none		
3. HAZARDS IDENTIFICATION			
3.1	Overall Hazard Classification:	Not hazardous.	
3.2	Hazard Information:	Not hazardous. Avoid contact with eyes.	
3.3	Route of Exposure:	Skin Contact and Accidental Ingestion.	
3.4	Possible Health Effects:		
	<u>Acute</u>		
	Eyes:	Direct contact may cause mild irritation.	
	Skin:	No significant irritation expected from a single short-term exposure.	
	Inhalation:	Irritates respiratory passages very slightly.	
	Ingestion:	Low ingestion hazard in normal use.	
	<u>Chronic</u>		
	Skin:	Repeated or prolonged exposure may cause irritation.	
	Inhalation:	No know applicable information.	
	Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.	
3.5	Signs and Symptoms of Overexposure:	No significant adverse effects from a single exposure expected from normal use.	
4. FIRST AID MEASURES			
4.1	Eyes:	Immediately flush with water for 15 minutes.	
4.2	Skin:	Wash with water and soap as a precaution. Get medical attention if symptoms occur.	
4.3	Inhalation:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.	
4.4	Ingestion:	Get medical attention.	
4.5	Comments:	Treat according to person's condition and specifics of exposure.	
4.6	Note to physicians:	Treat symptomatically.	
5. FIRE FIGHTING MEASURES			
5.1	Flammability:	Combustible.	
5.2	Flash point:	71.5°C ( Closed Cup)	
5.3	Autoignition temperature:	Not determined.	
5.4	Lower Flammability Limit:	Not determined.	
5.5	Upper Flammability Limit:	Not determined.	



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5.6	Hazardous Properties:	None
5.7	Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.8	Special Fire Fighting Procedures and Equipment:	Self-contained breathing apparatus and protective clothing should be worn in fight large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
5.9	Hazardous Combustion Products:	Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Sulfur oxides. Nitrogen oxides. Formaldehyde.
5.10	Unsuitable Extinguishing Media:	None established.
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
6.1	Personal Precaution:	Avoid skin and eye contact. Avoid breathing mist. Keep container closed. Do not take internally.
6.2	Environmental Precautions:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
6.3	Methods for Cleaning up:	Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and 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 laws and regulations are applicable.
<b>7. HANDLING AND STORAGE</b>		
7.1	Handling:	Use with adequate ventilation. Avoid eye contact. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
7.2	Storage Conditions:	Use reasonable care and store away from oxidizing materials.
7.3	Unsuitable Packaging Materials:	None established.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
8.1	Industrial Hygiene Standards	
	<u>Ingredients</u>	<u>CAS No.</u>
	None known.	Exposure Limits
8.2	Engineering Controls:	
	Local Ventilation:	Recommended.
	General Ventilation:	Recommended.
8.3	Personal Protective Equipment for Routine Handling	
	Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.
	Suitable Respirator:	Dust/Mist Type.
	Eye protection:	Use proper protection—safety glasses as a minimum.
	Hand protection:	No special protection needed.
	Skin protection:	Washing at mealtime and end of shift is adequate.
	Hygiene Measures:	Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
8.4	Personal Protective Equipment for Spills	
	Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.



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Eye protection:	Use proper protection—safety glasses as a minimum.
Skin protection:	Washing at mealtime and end of shift is adequate.
Precautionary Measures:	Avoid skin and eye contact. Avoid breathing mist. Keep container closed. Do not take internally. Use reasonable care.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form:	Clear viscous liquid
9.2 Color:	Colorless
9.3 Odor:	Characteristic
9.4 pH	Not determined.
9.5 Flash Point:	71.5°C (Closed Cup)
9.6 Explosive properties:	No
9.7 Oxidizing properties:	No
9.8 Flammability:	Combustible.
9.9 Viscosity (25°C mpa s):	5000-8000
9.10 Specific Gravity:	0.98

The above information is not intended for use in preparing product specifications. Contact Tinci before writing specifications.

### 10. STABILITY AND REACTIVITY

10.1 Stability:	Stable.
10.2 Reactivity:	
Conditions to Avoid:	None.
Materials to Avoid:	Oxidizing material can cause a reaction.
Hazardous Decomposition Products:	Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Sulfur oxides. Nitrogen oxides. Formaldehyde.
Hazardous Polymerization:	Hazardous polymerization will not occur.

### 11. TOXICOLOGICAL INFORMATION

11.1 Possible Health Effects:	Refer to Section 3.4
11.2 Sensitizing Effects:	None know.
11.3 Mutagenic Effects:	None know.

### 12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution:	Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.
12.2 Environmental Effects:	
No adverse effects on aquatic organisms.	
Bioaccumulation:	No bioaccumulation potential.
12.3 Fate and Effects in Waste Water Treatment Plants:	Removed >90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.
12.4 Additional Environmental Information:	
Degradation:	Additional environmental information on the silicone component is available on request.

### 13. DISPOSAL CONSIDERATIONS

13.1 Product Disposal:	Dispose of in accordance with local regulations.
13.2 Packaging Disposal:	Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

14.1 Road and Rail Transport:	Not assessed.
14.2 Sea Transport (IMDG):	Not subject to IMDG code.
14.3 Air Transport (ICAO):	Not subject to ICAO regulations.

### 15. REGULATORY INFORMATION

15.1 Applicable Laws:	Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.
15.2 Chemical Inventories:	
AICS:	All ingredients listed or exempt.



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DSL:	All chemical substances in this material are included on or exempted from the DSL.
IECSC:	All ingredients listed or exempt.
MITI:	All components are listed on ENCS or its exempt rule.
KECL:	All ingredients listed, exempt or notified.
EINECS:	All ingredients listed or exempt.
PICCS:	All ingredients listed or exempt.
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### 16. OTHER INFORMATION

Contact Point:	Technical Services Engineer (86 20) 82251159
Prepared by:	Guangzhou Tinci Materials Technology Co., Ltd

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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