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## SECTION 1: Identification of the substance/mixture and of the company

### Product Identifier

Product Name: SiSiB® PC15342  
Chemical Name: DIMETHICONOL & TEA-DODECYLBENZENESULFONATE  
CAS-No.: 31692-79-2&27323-41-7

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

Relevant applications identified: Cosmetics

### Details of the supplier of the safety data sheet

**Company** Nanjing SiSiB Silicones Co., Ltd.  
Guanghua Sci & Tech Industrial Zone,  
No. 104, Guanghua Road, Nanjing 210007, P.R.China  
Email: SDS@SiSiB.com

**Emergency Telephone Number:** +86-25-8468-0091

## SECTION 2: Hazardous identification

### Overall

**Hazard Classification:** Irritant

**Hazard Information:** Irritating to skin  
Risk of serious damage to eyes.  
Do not empty into drains  
Wear suitable gloves and eye/face protection.

**Route of Exposure:** Inhalation, Skin Contact and Accidental Ingestion.

### Possible Health Effects:

#### Acute

**Eyes:** May cause irreversible damage and burns to the eyes.

**Skin:** May cause moderate irritation.

#### Inhalation:

**Overexposure by inhalation may injure the following organ(s):**

Reproductive System.

**Ingestion:** Repeated ingestion or swallowing large amounts may injure internally

#### Chronic

**Skin:** Repeated or prolonged exposure may cause irritation seriously.

**Inhalation:** Overexposure by inhalation may injure the following organ(s):  
Reproductive System.

**Ingestion:** Repeated ingestion or swallowing large amounts may injure internally.

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**Signs and Symptoms of**

**Overexposure:**

Irritation to skin. May cause severe irritation to eyes.

**SECTION 3: Composition/information on ingredients**

**Chemical characterization:** Mixture  
**Physical Form:** Liquid  
**Color:** Milky  
**Use:** Hair care additives

**SECTION 4: First aid measures**

**Eyes:**

Immediately flush with water for 15 minutes. Get medical attention.

**Skin:**

Remove from skin and wash thoroughly with soap and water or waterless cleanser.  
Get medical attention if irritation or other ill effects develop or persist.

**Inhalation:**

Remove to fresh air. Get immediate medical attention.

**Ingestion:**

Get medical attention.

**Comments:**

Treat according to person's condition and specifics of exposure.

**Note to physicians:**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**Flammability:** Combustible.  
**Flash point:** >100°C ( Closed Cup)  
**Autoignition temperature:** Not determined.  
**Lower Flammability Limit:** Not determined.  
**Upper Flammability Limit:** Not determined.  
**Hazardous Properties:** None

**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.

**Special Fire Fighting Procedures and Equipment:**

Self-contained breathing apparatus and protective clothing should be worn in fight large fires involving

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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.

**Hazardous Combustion Products:**

Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Sulfur oxides. Nitrogen oxides. Formaldehyde.

**Unsuitable Extinguishing Media:**

None established.

**SECTION 6: Accidental release measures**

**Personal Precaution:**

Avoid eye contact. Do not take internally.

**Environmental Precautions:**

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

**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.

**SECTION 7: Handling and storage**

**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.

**Storage Conditions:**

Use reasonable care and store away from oxidizing materials. Expected shelf life if stored at recommended temperatures: 9 months.

**Unsuitable**

**Packaging Materials:**

None established

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**SECTION 8: Exposure Controls/Personal Protection**

**Industrial**

**Hygiene Standards**

Ingredients	CAS No.	Exposure Limits
None known.		

**Engineering Controls:**

**Local Ventilation:** Recommended.

**General Ventilation:** Recommended.

**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:**

Organic Vapor/Dust/Mist Type.

**Eye protection:**

Use chemical worker's goggles.

**Hand protection:**

Chemical protective gloves should be worn.

**Skin protection:**

Washing at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and totally cleaned before reuse. Chemical protective gloves are recommended.

**Hygiene Measures:**

Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Personal Protective Equipment for Spills

**Respiratory protection:**

No respiratory protection should be needed.

**Eye protection:**

Safety glasses/goggles should be worn if there is a danger of splashes to the eyes.

**Skin protection:**

Washing at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and totally cleaned before reuse. Chemical protective gloves are recommended.

**Precautionary Measures:**

Avoid skin and eye contact. Avoid breathing vapor, mist or fumes. Keep container closed. Do not take internally. Use reasonable care.

**SECTION 9: Physical and Chemical Properties**

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<b>Physical Form:</b>	Liquid
<b>Color:</b>	Milky
<b>Odor:</b>	Negligible
<b>PH:</b>	5.5-7.5
<b>Flash Point:</b>	>100°C (Closed Cup)
<b>Explosive properties:</b>	No
<b>Oxidizing properties:</b>	No
<b>Specific Gravity:</b>	0.99
<b>Viscosity (25°C mpa.s)</b>	≥100
<b>Molecular Weight:</b>	No

## SECTION 10: Stability And Reactivity

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

## SECTION 11: Toxicological Information

<b>Possible Health Effects:</b>	Refer to Section 3
<b>Sensitizing Effects:</b>	None know.
<b>Mutagenic Effects:</b>	None know.
<b>Reproductive Effects:</b>	None know.
<b>Carcinogenic Effects:</b>	None know.
<b>Other</b>	
<b>Health Hazard Information:</b>	
	None know applicable information.

## SECTION 12: Ecological Effects

**Environmental Fate and Distribution:**  
Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are

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degraded.

**Environmental Effects:**

No adverse effects on aquatic organisms.

**Bioaccumulation:**

No bioaccumulation potential.

**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.

**Additional Environmental Information:**

**Degradation:**

Additional environmental information on the silicone component is available on request.

### SECTION 13: Disposal considerations

**Product Disposal:**

Dispose of in accordance with local regulations.

**Packaging Disposal:**

Dispose of in accordance with local regulations.

### SECTION 14: Transport Information

**Road and Rail Transport:**

Not assessed.

**Sea Transport (IMDG):**

Not subject to IMDG code.

**Air Transport (ICAO):**

Not subject to ICAO regulations.

### SECTION 15: Regulatory Information

**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.

**Chemical Inventories:**

**AICS:** All ingredients listed or exempt.

**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.

**SECTION 16: Other Information**

**Further information**

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.