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

### Product Identifier

Product Name: SiSiB® SR5107

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

Relevant applications identified For industrial use

### 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

### Classification of the substance or mixture

#### Classification according to REGULATION (EC) No 1272/2008



Flam. Liq. 3 H226 Flammable liquid and vapor



Skin Irrit. 2 H315 Causes skin irritation.

#### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.

#### Classification system:

The classification is according to the latest edition of EU Regulation (EC) No. 1272/2008, and extended by company and literature data.

#### Label elements

#### Labelling according to Regulation (EC) No. 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms

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Signal word	Warning
Hazard statements	
H226	Flammable liquid and vapor.
H315	Causes skin irritation.
Precautionary statements	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards:**

**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

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

Description:

Mixture of the substances listed below with nonhazardous additions.

Chemical product name: silicone resin

Compositions	Content	CAS No.
Silicone resin	50%	67763-03-5
xylene	50%	1330-20-7

**SECTION 4: First aid measures**

**Description of first aid measures**

General description:	Immediately remove any clothing soiled by the product.
After inhalation:	In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	Immediately wash with water and soap and rinse thoroughly.

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After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: If symptoms persist consult doctor.

**Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

## SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable extinguishing media**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture**

No further relevant information available.

**Advice for firefighters**

**Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

**Emergency treatment:** evacuate the contaminated area personnel to the safe area quickly, and quarantine, strictly restrict access. Cut off the fire. It is recommended that emergency treatment personnel wear self - pressure breathing apparatus and wear general working clothes. Cut off the source as much as possible. To prevent the flow of restricted space such as sewers and drainage channels.

**Small leakage:** absorption by dry sand or similar substances.

**Massive leakage:** build a dike or dig a pit. Cover with foam and reduce steam hazards. Use the explosion-proof pump to transfer to the tank car or the special collector for recycling or transportation to the waste disposal site.

## SECTION 7: Handling and storage

**Operation precautions:** closed operation, provide good natural ventilation conditions. Operators must be specially trained to strictly observe operating procedures. It is recommended that operators wear self-priming filter respirators and wear chemical safety glasses. Keep away from fire and heat sources. Smoking is forbidden in the workplace. Use explosion-proof ventilation systems and equipment. Prevent steam from leaking into the workplace air. Avoid contact with acid, alkali, amine and oxidant. Light loading and unloading to prevent damage of packaging and container. Equipped with corresponding variety and quantity of fire equipment and leakage emergency treatment equipment. Empty containers may contain harmful solvents.

**Storage precautions:** stored in a cool, ventilated warehouse. Keep away from fire and heat. Keep the

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container sealed. It should be stored separately from acid, alkali, oxidizer and edible chemicals. Explosion-proof lighting and ventilation facilities are adopted. The use of mechanical equipment and tools that produce sparks is prohibited. The storage area shall be equipped with emergency handling equipment and suitable receiving materials.

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

**Maximum allowable concentration:** cross-linked silicone resin: no data;  
**Monitoring method:** Gas chromatographic method for determination of toxic gas concentration in air.  
**Engineering control:** the production process is closed and ventilated.  
**Respiratory protection:** when the concentration in the air exceeds the standard, wear a self-absorption filter gas mask (half mask). For emergency rescue or evacuation, use an air breathing apparatus or an oxygen respirator.  
**Eye protection:** wear chemical safety goggles.  
**Body protection:** wear protective clothing.  
**Hand protection:** wear rubber - resistant gloves.  
**Other protection:** smoking, eating and drinking are prohibited. Avoid alcoholic beverages before work. After working, shower and change clothes. Pre-employment regular physical examination.

**SECTION 9: Physical and Chemical Properties**

Form:	Liquid
Color:	Colorless transparent liquid
Oduor:	No pungent smell
Oduor threshold:	Not available
pH:	7.0
Melting point/Freezing point:	-25.6 °C
Initial boiling point and boiling range:	144.4 °C
Relative density (water = 1):	0.98 ~ 1.01 (25°C)
Relative vapor density (air =1):	no data available.
Saturated vapor pressure (kPa):	no data available.
Heat of combustion (kJ/mol):	no data available.
The critical temperature (°C):	no data
Critical pressure (MPa):	no data available.
Value of octanol/water distribution coefficient:	no data
Flash point (°C):	30°C
Ignition temperature (°C):	no data
Explosion limit % (V/V):	no data available.

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Lower explosion limit % (V/V): no data available.  
Solubility: Soluble in toluene, xylene, Cellulose acetate butyrate.  
Other physical and chemical properties  
temperature resistance (h /°C): ≥200/200;  
Thermo-gravimetric (h) (°C / %): 5/250 x 3.

## SECTION 10: Stability And Reactivity

**Stability:** stability  
**Forbidden material:** forbidden storing with acid, alkali, oxidizer.  
**Avoid contact conditions:** high heat, open flame.  
**Aggregation hazard:** cannot occur.  
**Decomposition products:** carbon monoxide, carbon dioxide, silicon dioxide.

## SECTION 11: Toxicological Information

**Acute toxicity:** no data available.  
**Acute poisoning:** no data available.  
**Chronic toxicity:** no data available.  
**Irritant:** **human eye:** 200PPM, causing irritation. The rabbit was moderately stimulated by 500 mg (24 h).  
**Subacute and chronic toxicity:** no data available.  
**Mutagenicity:** no data  
**Teratogenicity:** no data available.  
**Carcinogenicity:** no data

## SECTION 12: Ecological Effects

**Ecotoxicological toxicity:** no data available.  
**Biodegradability:** no data available.  
**Non-biodegradable:** no data available.  
**Biological enrichment or biological accumulation:** no data.  
**Other harmful effects:** no data available.

## SECTION 13: Disposal considerations

**Waste property:** hazardous waste.

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**Disposal methods:** refer to national and local regulations before disposal. It is recommended that incineration be used.

## SECTION 14:Transport Information

**Hazards identification:**

Flammable liquid, Resin solution

**Suggestion according to IMO IMDG Code:**

**Shipping name:**

ADR/RID/ADN, IMDG, IATA Resin solution

**Class or Division:**

ADR/RID/ADN, IMDG, IATA 3

**UN Number:**

ADR/RID/ADN, IMDG, IATA UN1866

**Packing requirements:**

**Packing Group:**

ADR/RID/ADN, IMDG, IATA III

## SECTION 15:Regulatory Information

**Regulatory information:** chemical dangerous goods safety management regulations (promulgated by the state council on February 17, 1987), the chemical dangerous goods safety management regulations, implementing rules (change law is sent [1992] 1992), using chemicals workplace safety regulation (no. 1996 [1996] labor department is sent) such as laws and regulations, for the safe use of hazardous chemicals, production, storage, transportation, loading and unloading and so on all has made the corresponding provisions; Classification and marking of commonly used hazardous chemicals (GB 13690-92) classified the substance as flammable liquid in class 3.2.

## 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.