

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

**Product Identifier**

Product Name: Sikoat™ RC500

**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**

**Hazard category**

non-hazardous chemical

**Tag element**

normal tag

**Hazard**

Not required

**Precaution**

Avoid contact with skin and eyes.

If the eyes are exposed to water, rinse carefully and repeatedly. If it is convenient for contact lens wearers, remove the glasses first and then rinse the eyes.

If contact with skin, rinse with water.

**Other risks**

Unknown

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

**Product form**

mixture

**ingredient**

| chemical name      | CAS number | potency (%) |
|--------------------|------------|-------------|
| polyorganosiloxane | 63148-62-9 | 98-100      |

**SECTION 4: First aid measures**

**Inhalation**

No first aid required

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**In case of skin contact**

rinse with water

**In case of eye contact**

As a precautionary measure, rinse the eyes with water. Remove contact lenses. Protect unaffected eyes. Keep eyes open and rinse with water. If irritation persists, seek immediate medical attention.

**If food is eaten**

Keep the airway clear. Do not induce vomiting. Do not drink milk or alcoholic beverages. Do not feed anything through the mouth to unconscious patients. If symptoms persist, take the victim to the hospital immediately.

**Note**

Treating the symptoms

**SECTION 5: Firefighting measures**

**Fire extinguishing method**

**Right fire extinguishers**

Use foam or water spray for large fires; use carbon dioxide for small fires

**Not suitable fire extinguishing agent**

Not specified

**Special hazard**

None

**Firefighting safety protocols and protective measures**

Firefighters should wear self-contained breathing apparatus when necessary. Contaminated firefighting water must be collected separately and not discharged into sewers.

Both fire residues and firefighting water must be disposed of according to local regulations. For fire prevention, containers should be stored separately in sealed containers, and water spray cooling must be applied to fully sealed containers.

**SECTION 6: Accidental release measures**

**Personnel protection measures, protective equipment and emergency procedures**

Use personal protective equipment. Ensure good ventilation. Eliminate all sources of ignition. Evacuate personnel to safe areas, beware of accumulation, avoid eye contact, do not ingest.

**Environmental Protection Measures**

Prevent leakage substances from entering sewers. Safeguard against further leaks and spills while ensuring safety. If product contamination affects rivers, lakes, or sewers, immediately notify relevant authorities.

**Methods for containing and removing leaked chemicals**

Collect the spill using non-flammable inert absorbent materials (e.g., sand, soil, diatomite, vermiculite) to cover and absorb the substance. Store the collected material in appropriate containers for disposal in

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accordance with local regulations. (Refer to Section 13)

## SECTION 7: Handling and storage

### Safety handling precautions

Use adequate ventilation, avoid eye contact, do not ingest, implement good industrial hygiene practices, and wash after operation, especially before eating or smoking.

### Storage note

Store carefully away from oxidizing materials

### Not suitable packaging

not determined

## SECTION 8: Exposure Controls/Personal Protection

### Individual protective equipment

#### Respiratory protection

no respiratory protection equipment is required.

#### Hand protection

no special protection required

#### Eye protection

Use appropriate protection, wear appropriate safety goggles

#### Skin protection

Wash properly before eating and after work

#### Personal hygiene measures

Implement good industrial hygiene measures and clean after operation, especially before eating or smoking.

## SECTION 9: Physical and Chemical Properties

|                                |                         |
|--------------------------------|-------------------------|
| Appearance and characteristics | Clear Liquid            |
| Smell                          | odorlessness            |
| pH                             | 6.5-7.5                 |
| Melting point                  | No relevant information |
| Steam pressure                 | no relevant data        |
| Solubility                     | Insoluble with water    |
| Flash point                    | >93°C (closed cup)      |
| Ignite                         | No relevant information |
| Density                        | Not applicable          |
| Explosive                      | No                      |

## SECTION 10: Stability And Reactivity

### Stability

stable

### Hazardous reaction

no hazardous polymerization reaction

### Incompatible

can react with strong oxidizing agents

### Decomposition products

carbon dioxide and trace amounts of incompletely combusted carbides, silica, nitrogen oxide

## SECTION 11: Toxicological Information

### Exposure

skin contact and accidental ingestion

### Effects and symptoms of excessive exposure

no significant adverse effects under normal use

### acute toxicity

### Glasses

Direct contact may cause temporary redness and discomfort

### Skin

A single exposure in one time will not have a significant impact

### Ingestion

Low risk of ingestion during normal use

### Inhalation

No significant effects from single time exposure

### chronic toxicity

### Skin

No suitable information available

### Ingestion

Repeated or excessive intake may cause internal damage

### Inhalation

no suitable information

### Other health hazard information

no suitable information available

## SECTION 12: Ecological Effects

### Ecotoxic effects

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**Acute effects**

No harmful effects on aquatic organisms:

**Chronic effects**

No harmful effects on aquatic organisms

**Impact on wastewater treatment plant**

No harmful effect on bacteria, more than 90% can be removed by bonding with sewage sludge, the siloxane in this product is not part of BOD

**Persistence and degradation**

**Degradation**

Degradation of siloxanes in soil

**Bioaccumulation potential**

no bioaccumulation capability

**Mobility in soil**

Separation of siloxanes from water by deposition or bonding to sewage sludge

**SECTION 13: Disposal considerations**

**Waste disposal method**

**Products**

Waste must not be discharged into sewers. Chemicals or used containers must not contaminate ponds, water sources or drains. Waste must be handed in to a licensed waste disposal company.

**Contaminated packaging**

Empty containers and dispose of them as unused products. Do not reuse, incinerate or cut the containers with a cutting torch after emptying.

**SECTION 14: Transport Information**

**Road transport:**

ADR / RID:

Not dangerous goods

**Sea transport**

IMDG:

Not dangerous goods

**Air transport**

IATA-DGR:

Not dangerous goods

**SECTION 15: Regulatory Information**

**Applicable regulations**

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Workplace Safety in the Use of Chemicals (Labor Ministry Document No.423,1996)

General Standard for Classification and Hazardousness of Chemicals (GB 13690-2009)

### 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.