

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

Product Identifier

Product Name: Sikoat™ RCA20

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 precaution, rinse the eyes with water. Remove contact lenses. Protect unaffected eyes. Keep eyes open and rinse with water. If irritation persists, seek medical attention immediately.

If eating

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, seek immediate medical attention.

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 should 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. Prevent further leakage and overflow under safe conditions. If product contamination affects rivers, lakes, or sewers, notify relevant authorities immediately.

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 and dispose of it according to 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	A colorless to slightly foggy liquid
Smell	Slight odour
pH	6.5-7.5
Melting point	No relevant information
Steam pressure	no relevant data
Solubility	not soluble with water
Flash point	>9 3°C Closed cup test
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 burned 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

Acute effects

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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 them with a 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

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.