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

### Product Identifier

Product Name: Sikoat™ ERC2502

Chemical Name: Catalyst Emulsion

### 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

### Most Important Hazards

#### Adverse human health effects

Slightly irritating to eyes and skin.

#### Physical and chemical hazards

#### Fire or explosion

NO particular fire or explosion hazard.

#### Further hazards

Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

#### Specific hazards

According to EC criteria, this product is not classified as a "hazardous preparation".

## SECTION 3: Composition/information on ingredients

### PREPARATION

#### Chemical nature

Non-ionic aqueous emulsion of: Polydimethylsiloxane vinyl group terminated.

#### Components contributing to the hazard

None.

#### Components presenting hazards

Platinum (CAS:7440-06-4): ≤1500 mg/kg.

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#### SECTION 4: First aid measures

##### **Inhalation**

Not specifically applicable (aqueous liquid).

##### **Skin contact**

Wash immediately with plenty of soap and water.

##### **Eye contact**

Immediately rinse with water for a prolonged period whilst keeping the eyes wide open.

If irritation persists, consult an eye specialist.

##### **Ingestion**

If necessary, seek medical advice.

#### SECTION 5: Firefighting measures

##### **Extinguishing media**

###### **Suitable**

Foam

Carbon dioxide (CO<sub>2</sub>)

Powders

###### **Not suitable**

None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

##### **Specific hazards**

Combustible, following the evaporation of water.

During combustion:

Toxic and highly flammable gases are released (explosion hazard).

Hazardous dust is released.

##### **Specific fire-fighting methods**

Cool down the containers/equipment exposed to heat with a water spray.

##### **Protection of fire-fighters**

Self-contained breathing apparatus.

#### SECTION 6: Accidental release measures

##### **Personal precautions**

Personal protective equipment:

PVC gloves.

Safety glasses.

##### **Environmental precautions**

Do NOT discharge into drains or rivers.

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For a large spillage, contain the spillage by bunding.

**Methods for cleaning up**

**Recovery**

Collect up the product and place it in a spare container:

Suitably labelled.

Tightly closed.

Equipped with a degassing device. Use flame-proof equipment.

Keep the recovered product for subsequent disposal.

**Neutralization**

Absorb non-recoverable liquid with:

Dry sand or dry inert absorbent.

**Cleaning/Decontamination**

Then wash the floor with plenty of water.

**Disposal**

Incinerate contaminated materials at an authorized installation.

**SECTION 7: Handling and storage**

**HANDLING**

**Technical measures**

Does not require any specific or particular measures.

**Safe handling advice**

Comply with instructions for use (refer to technical sheet).

**STORAGE**

**Technical measures**

Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.

**Storage conditions**

**Recommended**

To guarantee the quality and properties of the product keep:

The container tightly closed.

Protected from frost.

At temperatures not exceeding 30°C.

**To be avoided**

The possible development of bacteriological contamination due to prolonged storage and/or storage in a badly cleaned or unclosed container.

**Incompatible products**

Products reacting with water.

Refer to the detailed list of incompatible materials (section 10 "Stability/Reactivity").

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**Packaging**

Plastic container.

Plastic drums.

Steel drums varnished with epikote.

**Packaging materials**

**Recommended**

Polyethylene. Coated steels.

**Not suitable**

Uncoated metals.

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

**Engineering measures**

No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

**Control parameters**

Occupational exposure limits

**Limits (France)**

Platinum VME 1 mg/m<sup>3</sup>

**Limits (U.S.A./A.C.G.I.H.)**

**Personal protective equipment**

Platinum TLV (TWA) = 1 mg/m<sup>3</sup>.

**Hand protection**

**Eye protection**

Protective gloves made of PVC. Safety spectacles.

**Collective emergency equipment**

Eye fountain. Safety shower.

**SECTION 9: Physical and Chemical Properties**

**Appearance**

**Physical state**

Liquid

**Form**

viscous

**Color**

white. milky

**Odor**

weak

**Ph**

4 - 6

**Specific temperatures**

**Congealing**

0°C (Initial solidification)

**Boiling**

100°C

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**Flammability characteristics**

**Flash point**

> 80°C (Closed cup).

**Oxidizing properties**

Non oxidizing material according to EC criteria.

**Vapor pressure**

2.3 kPa, at 20°C.

**Specific gravity**

Approx. 1000 kg/m<sup>3</sup> at 25°C.

**Solubility**

**In water**

Dispersible.

**In organic solvents**

Insoluble in:

common organic solvents.

**Kinematic viscosity**

approx. 50 mPa.s at 25°C.

**SECTION 10: Stability And Reactivity**

**Stability**

Stable at room temperature.

**Hazardous reactions**

**Materials to avoid**

Reacts with substances which are incompatible with water.

**Hazardous decomposition products**

On combustion or on thermal decomposition (following the evaporation of water) releases: (Carbon oxides (CO + CO<sub>2</sub>)). (Silica).

**SECTION 11: Toxicological Information**

**Acute toxicity**

No data available, however, by analogy this product is not considered to be harmful either on contact with skin or on ingestion.

**Local effects**

Repeated or prolonged contact may cause slight irritation to the skin.

May cause slight temporary irritation to ocular mucous membranes.

**SECTION 12: Ecological Effects**

**MOBILITY**

**Adsorption/desorption**

Product readily filters into the soil.

**Expected behaviour of the product**

**BIODEGRADABILITY**

**Ultimate aerobic biodegradability**

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Silicone component: Not biodegradable.

**BIOACCUMULATION**

**Bioconcentration factor.**

Not bioaccumulable.

**ECOTOXICITY**

**Effects on the aquatic environment**

EC 50 (Daphnia: Daphnia magna)/48 h: >100 mg/l.

LC 50 (Fish: Brachydanio rerio) / 96 h: >100 mg/l. (Unpublished internal reports)

(Results obtained on a similar formulation).

**SECTION 13: Disposal considerations**

**RESIDUES FROM PRODUCT**

**Prohibition**

Do NOT discharge waste into drains.

**Destruction/Disposal**

Dispose of at a licensed waste collection point.

**CONTAMINATED PACKAGING**

**Decontamination/cleaning**

Allow it to drain thoroughly.

Rinse with water.

**Destruction/Disposal**

Recycle following cleaning or dispose of at an authorised site.

**NOTE**

The user's attention is drawn to the possible existence of local regulations regarding disposal.

**SECTION 14: Transport Information**

**INTERNATIONAL REGULATIONS**

**Land**

**Rail/road (RID/ADR)**

NOT restricted.

**Sea (IMO/IMDG)**

NOT restricted.

**Air (ICAO-IATA)**

NOT restricted.

**NOTE**

The above regulatory prescriptions are those valid on the date of publication of this sheet.

Given the possible evolution of transport regulations for hazardous materials, it would be advisable to

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check their validity with your sales office.

## SECTION 15: Regulatory Information

### LABELLING

#### EC regulations

Mandatory labelling (self-classification) of hazardous preparations: NOT APPLICABLE

#### NOTE

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Material Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 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.