

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

Product Name: SiSiB® FSE9230, FSE9240, FSE9250
SiSiB® FSE9260, FSE9270, FSE9280

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**Emergency Overview**

Appearance Rubber-Crepe

Color white

Odor none

Not a hazardous substance or mixture.

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Precautionary statements

Response

P370 + P261 In case of fire. Avoid breathing fume.

Physical and chemical hazards

Not classified based on available information.

Health hazards

Not classified based on available information.

Environmental hazards

Not classified based on available information.

Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

Chemical name	CAS-No.	Concentration (% w/w)
polymethyltrifluoropropylsiloxane	63148-56	63~70
silica	10279-57	30~35

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Trifluoropropylmethyl cyclotetrasiloxane	429-67-4	0.1~2

SECTION 4: First aid measures**General advice**

In the case of accident or if you feel unwell, seek medical advice immediately.

When symptoms persist or in all cases of doubt seek medical advice.

If inhaled

If inhaled, remove to fresh air. Get medical attention.

In case of skin contact

In case of contact, immediately flush skin with soap and plenty of water.

Remove contaminated clothing and shoes. Get medical attention.

Wash clothing before reuse. Thoroughly clean shoes before reuse.

In case of eye contact

Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

If swallowed

If swallowed, DO NOT induce vomiting. Get medical attention.

Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

None known.

Protection of first-aiders

First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

Notes to physician

Treat symptomatically and supportively.

SECTION 5: Firefighting measures**Suitable extinguishing media**

Water spray. Alcohol-resistant foam Carbon dioxide (CO₂) Dry chemical

Unsuitable extinguishing media

None known.

Specific hazards during fire- fighting

Very toxic vapors are evolved.

Exposure to combustion products may be a hazard to health.

Hazardous combustion products

Carbon oxides Silicon oxides Fluorine compounds

Nitrogen oxides (NOx) Formaldehyde

Metal oxides

Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do so.

Evacuate area.

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus. Wear self-contained breathing apparatus for firefighting if necessary.

Use personal protective equipment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions:

Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Local or national 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 regulations are applicable.

Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7: Handling and storage

Handling

Technical measures

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation

Use only with adequate ventilation.

Advice on safe handling.

Do not swallow.

Avoid contact with eyes.

Avoid prolonged or repeated contact with skin.

Handle in accordance with good industrial hygiene and safety

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	practice.
	Take care to prevent spills, waste and minimize release to the environment.
Avoidance of contact	Oxidizing agents
Storage	
Conditions for safe storage	Keep in properly labelled containers. Store in accordance with the particular national regulations.
Materials to avoid	Do not store with the following product types Strong oxidizing agents
Packaging material	Unsuitable material: None known.

SECTION 8: Exposure Controls/Personal Protection

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis
Trifluoropropylmethyl cyclotrisiloxane	2374-14-3	TWA	5 ppb	DCC OEL
Further information Skin				

Engineering measures

Processing may form hazardous compounds (see section 10).

Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection

No personal respiratory protective equipment normally required.

Eye/face protection

Wear the following personal protective equipment Safety glasses

Skin and body protection

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hand protection

Material: Impervious gloves

Remarks

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.

Hygiene measures

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke.

Wash contaminated clothing before re-use.

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Rubber-Crepe
Color	white
Odor	none
Odor Threshold	no data available
Refractive index	no data available
pH	no data available
Melting point	no data available
Freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point:	no data available
Evaporation rate	no data available
Flammability (solid, gas)	not classified as a flammability hazard
Upper explosion limit	no data available
Lower explosion limit	no data available
Vapor pressure:	no data available
Relative vapor density	no data available
Relative density	1.4
Water solubility	no data available
Partition coefficient n- octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity, dynamic	no data available
Explosive properties	not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Molecular weight	no data available

SECTION 10: Stability And Reactivity

Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Use at elevated temperatures may form highly hazardous compounds.

Can react with strong oxidizing agents.

When heated to temperatures above 150 °C (300 °F) in the presence of air, product can form formaldehyde vapors.

Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure limit for formaldehyde.

Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid

None known.

Incompatible materials

Oxidizing agent.

Hazardous decomposition products

Thermal decomposition	Formaldehyde
	Trifluoropropionaldehyde
	Hydrogen fluoride

SECTION 11: Toxicological Information**Exposure routes**

Skin contact/ Ingestion/ Eye contact

Acute toxicity

Not classified based on available information.

Components:**Trifluoropropylmethyl cyclotrisiloxane:**

Acute oral toxicity	LD50 (Rat) 4,650 mg/kg Remarks Based on test data
Acute inhalation toxicity	LC50 (Rat) > 13.44 mg/l Exposure time 4 h Test atmosphere vapor Assessment The substance or mixture has no acute inhalation toxicity Remarks Based on test data

Skin corrosion/irritation

Not classified based on available information.

Components:**Trifluoropropylmethyl cyclotrisiloxane:**

Species Rabbit
Result: No skin irritation

Remarks Based on test data

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Species Rabbit

Result: No eye irritation

Remarks Based on test data

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Assessment Does not cause skin sensitization.

Test Type Buehler Test Species Guinea pig

Remarks Based on test data

Germ cell mutagenicity

Not classified based on available information.

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Genotoxicity in vitro

Test Type Mutagenicity (in vitro mammalian cytogenetic test)

Result negative

Remarks Based on test data

Test Type Bacterial reverse mutation assay (AMES) Result negative

Remarks Based on test data

Genotoxicity in vivo

Test Type Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species Mouse Result negative

Remarks Based on test data

Germ cell mutagenicity – Assessment

Animal testing did not show any mutagenic effects.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Effects on fertility

Application Route Skin contact Symptoms

Effects on fertility

Remarks Based on test data

Application Route Ingestion

Symptoms Effects on fertility

Remarks Based on test data

Reproductive toxicity – Assessment

Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Exposure routes Ingestion

Target Organs Heart, Musculo-skeletal system

Assessment Shown to produce significant health effects in animals at concentrations of 10 mg/kg bw or less.

Exposure routes Skin contact Target Organs Liver

Assessment Shown to produce significant health effects in animals at concentrations of >20 to 200 mg/kg bw.

Repeated dose toxicity

Components:

Trifluoropropylmethyl cyclotrisiloxane:

Species Rat

Application Route Ingestion

Target Organs Heart, Musculo-skeletal system

Remarks Based on test data

Species Rat

Application Route Skin contact Target Organs Liver

Remarks Based on test data

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological Effects

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13: Disposal considerations

Disposal methods

Waste from residues

Dispose of in accordance with local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

If not otherwise specified Dispose of as unused product.

SECTION 14: Transport Information

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

Not regulated as a dangerous good

SECTION 15: Regulatory Information

National regulatory information

Law on the Prevention and Control of Occupational Diseases

The components of this product are reported in the following inventories:

ENCS/ISHL

All components are listed on ENCS/ISHL or exempted from inventory listing.

REACH

All ingredients (pre-)registered or exempt.

IECSC

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.

AICS

All ingredients listed or exempt.

KECI

All ingredients listed, exempt or notified.

PICCS

All ingredients listed or exempt.

DSL

This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume

Additional regulatory information

Dimethyl, Methylvinyl Siloxane OH- term, Tetramethyldivinylidisilazane, and Trifluoropropylmethyl Siloxane OH-term rxn with Silica

The United States Environmental Protection Agency (USEPA) has established a Significant New Use Rule (SNUR) for one of the components in this product.

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.