

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

Product Name: SiSiB® VT5545

**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****GHS classification**

Flammable liquids 4

Acute toxicity-oral 4

Acute toxicity-dermal 4

Acute toxicity- inhalation 4

Skin corrosion/irritation 2

Serious eye damage/eye irritation 1

Sensitization-skin 1

Specific target organ toxicity, single exposure 3

Specific target organ toxicity, repeated exposure 2

GHS Pictograms

**Signal words**

Danger

**Hazard statements**

H227 Combustible liquid

H302 Harmful if swallowed

H312 Harmful in contact with skin

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H332 Harmful if inhaled

H335 May cause respiratory irritation

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H373 May cause damage to organs through prolonged or repeated exposure

**Precautionary Statement****Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces.—No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the work place.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement****Response**

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor IF you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P312 Call a POISON CENTER/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment (see the supplemental first aid instruction).

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off immediately contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use extinguisher to extinguish.

**Precautionary Statement****Storage**

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Precautionary Statement****Disposal**

P501 Dispose of contents/container in according with local regulation.

**Other hazards which do not result in classification**

Not applicable

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

SiSiB SILICONES - A part of SINOPCC group.

**Component Information**

For the full text of the H-Statements mentioned in this Section, see Section 16.

Component	CAS number	EINECS number	Mass(%)
Vinyl tris(methyl ethyl ketoximo)Silane	2224-33-1	218-747-8	50.0%min
Tetra(methyl ethyl ketoxime) silane	34206-40-1	251-882-0	40.0%~45.0%

**SECTION 4: First aid measures****NOTE TO PHYSICIAN**

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.

**After inhalation**

Move to fresh air. Oxygen or artificial respiration if needed. Get immediate medical attention.

**After skin contact**

Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes.

If irritation persists, get medical attention immediately.

For minor skin contact, avoid spreading material on unaffected skin.

Wash clothing separately before reuse.

**After eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get medical attention immediately.

**After ingestion**

Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.

**Most important symptoms/effects, acute and delayed**

Harmful if swallowed.

Harmful in contact with skin. Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Harmful if inhaled.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

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

Water spray, foam, dry chemical, carbon dioxide, sand.

**Special hazards caused by the material, its products of combustion or flue gases**

Can be released in case of fire:

Carbon oxides, nitrogen oxides, silicon dioxide, irritating and toxic fumes and gases.

**Protective equipment for fire-fighters**

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

## SECTION 6: Accidental release measures

### Person-related safety precautions

Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.

### Measures for environmental protection

Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.

### Measures for cleaning/collecting

Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in suitable container. Do NOT get water inside containers. Clean contaminated surface thoroughly.

### Additional information

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

### Handling

#### Information for safe Handling

Handle in fume hood.

Avoid contact with skin, eyes, mucous membranes and clothing.

In case of insufficient ventilation, wear suitable respiratory equipment if ingested.

#### Information about protection against explosions and fires

Keep away from heat, sources of ignition, sparks or open flame. No smoking.

Take measures to prevent the build up of electrostatic charge.

### STORAGE

#### Requirements to be met by storerooms and containers

Keep in a cool, dry, well-ventilated place.

Keep tightly closed until used.

#### Information about storage in one common storage facility

Water and moisture sensitive.

Store away from incompatible substances such as water, oxidants, strong acids, peroxides, etc.

#### Further information about storage conditions

No data

### SECTION 8: Exposure Controls/Personal Protection

#### Limit Values for Exposure

Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH REL-TWA	NIOSH REL-STEL
Vinyl tris(methyl ethyl ketoximo)Silane	2224-33-1	N.E.	N.E.	N.E.	N.E.
Tetra(methyl ethyl ketoxime) silane	34206-40-1	N.E.	N.E.	N.E.	N.E.

#### Appropriate engineering controls

Use adequate ventilation to keep airborne concentrations low.

Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower facility.

#### General protective and hygienic measures

Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

Splash goggles, gloves, apron and a respirator.

#### Breathing equipment

When workers are facing high concentrations they must use appropriate certified respirators.

#### Protection of hands

Wear appropriate chemical resistant gloves.

#### Eye/Face protection

Use safety glasses with side shields or safety goggles as mechanical barrier for prolonged exposure.

#### Body protection

Full set of anti chemical reagent overalls, flame retardant antistatic protective clothing, choose body protection according to the amount and concentration of the dangerous substance at the work place.

Note: 1. N.E. means not established

### SECTION 9: Physical and Chemical Properties

Physical state	Transparent liquid
Color	Colorless or yellowish (When dissolved)
Odor	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling	>300 °C (760 mmHg)
Point and boiling range	
Flammability	No data available
Lower and upper explosion	No data available
Limit/ flammability limit	
Flash point	>80 °C (Closed cup)
Auto-ignition temperature	No data available

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Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient	No data available
n-octanol/water (log value)	No data available
Vapor pressure	No data available
Density and/or relative density	0.99 g/cm <sup>3</sup>
Relative vapor density (air=1)	No data available
Particle characteristics	No data available

### SECTION 10: Stability And Reactivity

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

No data available

#### Conditions to avoid (e.g. static discharge, shock or vibration)

Heat and flame and spark. The extreme temperatures and direct sunlight.

Exposure to moisture and water.

#### Incompatible materials

Avoid contact with water, oxidants, strong acids, peroxides, etc..

#### Hazardous decomposition

Carbon oxides, nitrogen oxides, silicon dioxide, irritating and toxic fumes and gases.

### SECTION 11: Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion	
Acute Toxicity	Vinyl tris(methyl ethyl ketoximo)Silane (CAS 2224-33-1) LD50 (Oral, rat) :N/A LC50 (Inhalation, rat): N/A LD50 (Dermal, rabbit) : N/A	Tetra(methyl ethyl ketoxime) silane (CAS 34206-40-1) LD50 (Oral, rat) :N/A LC50 (Inhalation, rat): N/A LD50 (Dermal, rabbit): N/A

Skin corrosion/irritation	Cause skin irritation
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available for this chemical.
Carcinogenicity	No data available for this chemical.
Reproductive toxicity	No data available for this chemical.
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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Aspiration hazard	No data available for this chemical.
Chronic Effects	No data available for this chemical.
Further Information	No data

### SECTION 12: Ecological Effects

#### Ecotoxicity

Aquatic Toxicity	Vinyl tris(methyl ethyl ketoximo)Silane (CAS 2224-33-1) Test & Species 96 Hr LC50 fish: N/A 48 Hr EC50 Daphnia: N/A 72 Hr EC50 Algae: N/A	Tetra(methyl ethyl ketoxime) silane (CAS 34206-40-1) Test & Species 96 Hr LC50 fish: N/A 48 Hr EC50 Daphnia: N/A 72 Hr EC50 Algae: N/A
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Persistence and degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available
Additional Information	No data

### SECTION 13: Disposal considerations

#### WASTE DISPOSAL INSTRUCTIONS

Contact a licensed professional waste disposal service to dispose of this material.  
Dispose of in accordance with local environmental regulations or local authority requirements

### SECTION 14: Transport Information

#### The Recommendation of Transport of Dangerous Goods (TDG)

UN Number

Proper Shipping Name

Class/Division

The product is not regulated by TDG.

Package Group

The product is non-dangerous goods.

Subsidiary risk

labelling pictogram

Maritime transport IMDG

Being same with TDG/NO

Air transport ICAO-TI and IATA-DGR

Being same with TDG

### SECTION 15: Regulatory Information

#### European/International Regulation

OSHA:

Hazardous by definition of Hazard Communication Standard (29CFR 1910.1200).

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**EINECS Status:**

This chemical is included in EINECS inventory.

**EPA TSCA Status:**

This chemical is included in TSCA inventory.

**Canadian DSL (Domestic Substances List):**

This chemical is included in DSL

**HMIS (Hazardous Material Identification System Ratings):**

Health: 2

Flammability: 1

Physical hazard: 1

Personal protection: J

(4. Severe Hazard; 3. Serious Hazard; 2. Moderate Hazard; 1 Slight Hazard; 0. Minimal Hazard)

**WHMIS (Canadian Workplace Hazardous Material Identification System Ratings):**

Not listed.

**GB 12268-2012 List of dangerous goods:**

This chemical is not a dangerous goods on the GB 12268-2012 list of dangerous goods.

**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.