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

Product Name: SiSiB® MT9010

**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**

Acute toxicity-oral 4

Acute toxicity-dermal 4

Acute toxicity- inhalation 4

Skin corrosion/irritation 2

Serious eye damage/eye irritation 2A

Sensitization-skin 1

Specific target organ toxicity, single exposure 3

Specific target organ toxicity, repeated exposure 2

**GHS Pictograms****Signal word**

Warning

**Hazard statement(s)**

H302

Harmful if swallowed

H312

Harmful in contact with skin.

H315

Causes skin irritation

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation

H332

Harmful if inhaled

H335

May cause respiratory irritation

H373

May cause damage to organs through prolonged or repeated exposure

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### Precautionary statement(s) prevention

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(s) 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.
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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off immediately contaminated clothing and wash it before reuse.

### Precautionary statement(s) storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

### Precautionary statement(s) disposal

P501	Dispose of contents/container in according with local regulation.
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### Other hazards which do not result in classification

Not applicable

## SECTION 3: Composition/information on ingredients

### Substances

### Mixtures

Component information

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Component	CAS number	EINECS number	Mass (%)
Methyl tris(methyl ethylketoximo)Silane	22984-54-9	245-366-4	85% min.
Tetra(methyl ethyl ketoxime) silane	34206-40-1	251-882-0	7%~10%

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

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

**If inhaled**

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

**In case of 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.

**In case of 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.

**If swallowed**

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 and effects, both acute and delayed**

Harmful if swallowed.

Harmful in contact with skin.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

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, extinguishing powder, 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

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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 precautions:**

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 Additional information**

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.

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.

Avoid formation of aerosols.

**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, strong oxidants, acids, metals, etc.

**Further information about storage conditions**

No data

**SECTION 8: Exposure Controls/Personal Protection****Control parameters****Components with workplace control parameters**

Limit Values for Exposure Component	CAS number	ACGIH TLV-TWA	ACGIH TLV-STEL	NIOSH REL-TWA	NIOSH REL-STEL
Methyl tris(methyl ethyl ketoximo)Silane	22984-54-9	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 anti-static protective clothing, choose body protection according to the amount and concentration of the dangerous substance at the work place.

**SECTION 9: Physical and Chemical Properties****Information on basic physical and chemical properties**

Physical state	transparent liquid
Color	colorless
Odor	no data available
Melting point/freezing point	no data available
Boiling point or initial boiling point and boiling range	>300 °C (760 mmHg)
Flammability (solid, gas)	no data available
Upper/lower flammability	no data available

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or explosive limits

Flash point:

&gt;80 °C (Closed cup)

Auto-ignition temperature

no data available

Ecomposition temperature

no data available

pH

no data available

Kinematic viscosity

no data available

Solubility

reacts with water

Partition coefficient:

no data available

n-octanol/water (log value)

Vapor pressure:

no data available

Density and/or relative density

0.98 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**

Reacts with water and moisture in air and acids liberating methyl ethyl ketoxime (MEKO)

Contact with electrophiles such as ferric chloride can lead to a violent reaction.

**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, strong oxidants, acids, metals, etc.

**Hazardous decomposition products**

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**

Methyl tris(methyl ethyl ketoximo)Silane (CAS 22984-54-9)	Tetra(methyl ethyl ketoxime) silane (CAS 34206-40-1)
LD50 (Oral, rat) :N/A	LD50 (Oral, rat) :N/A
LC50 (Inhalation, rat): N/A	LC50 (Inhalation, rat): N/A
LD50 (Dermal, rabbit): N/A	LD50 (Dermal, rabbit): N/A

**Skin corrosion/irritation**

Cause skin irritation

**Serious eye damage/ irritation**

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Causes serious eye irritation

**Respiratory or skin sensitization**

May cause an allergic skin reaction

**Germ cell mutagenicity****Carcinogenicity**

No data available for this chemical.

**Reproductive toxicity**

No data available for this chemical.

**Specific target organ toxicity - single exposure**

May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

No data available for this chemical.

**Chronic Effects**

No data available for this chemical.

**Additional Information**

Not available

**SECTION 12: Ecological Effects****Ecotoxicity****Aquatic Toxicity**

Methyl tris(methyl ethyl ketoximo)Silane (CAS 22984-54-9)	Tetra(methyl ethyl ketoxime) silane (CAS 34206-40-1)
Test & Species	Test & Species
96 Hr LC50 fish: N/A	96 Hr LC50 fish: N/A
48 Hr EC50 Daphnia: N/A	48 Hr EC50 Daphnia: N/A
72 Hr EC50 Algae: N/A	72 Hr EC50 Algae: N/A

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Additional information**

no data available

**SECTION 13: Disposal considerations****WASTE DISPOSAL INSTRUCTIONS**

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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****UN proper shipping name****Class/Division**

The chemical is not regulated by TDG.

**Packing group**

The chemical is non-dangerous goods.

**Subsidiary risk****Labelling pictogram****Maritime transport IMDG Marine pollutant (Yes/No)**

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).

**EINECS Status:**

This chemical is included in EINECS inventory.

**EPA TSCA Status:**

This chemical is included in TSCA inventory.

**Canadian DSL**

This chemical is included in DSL

**(Domestic Substances List):****HMIS (Hazardous Material Identification System Ratings):**

Health: 2

Flammability: 1

Personal protection: 1

(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 GB12268-2012 list of dangerous goods.



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**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.