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

Product Name: SiSiB® PC7130
Chemical Name: Methyltris(methylethylketoxime)silane
CAS-No.: 22984-54-9

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**Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Label elements**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

Symbol(s)



Signal word Warning

Hazard statement(s)

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statement(s) (Prevention)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash possible exposed body surfaces thoroughly after handling

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P272 this product.
Contaminated work clothing should not be allowed out of the workplace.

Precautionary statement(s) (Response)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment
Not applicable.

SECTION 3: Composition/information on ingredients

Composition/information on ingredients

CAS No.	Description
22984-54-9	butan-2-one O,O',O''-(methylsilylidyne)trioxime
Identification number(s)	Not applicable.
EC number:	245-366-4

Dangerous components:		
CAS: 96-29-7 EINECS:202-496-6	2-butanone oxime _ Carc. 2, H351;d~_ Eye Dam. 1, H318;d~_ Acute Tox. 4, H312; Skin Sens. 1, H317	<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

General advice

Remove soiled or soaked clothing immediately

If inhaled

Ensure supply of fresh air.
In the event of symptoms seek medical advice.

In case of skin contact

In case of contact with skin wash off with soap and water.
In the event of symptoms seek medical advice.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

If swallowed

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Thoroughly clean the mouth with water

In the event of symptoms seek medical advice

Most important symptoms and effects, both acute and delayed

Symptoms: Eye irritation

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing

foam, carbon dioxide, dry powder.

Unsuitable extinguishing

water

Special hazards arising from the substance or mixture

In the event of fire the following can be released:

- carbon dioxide, carbon monoxide
- Nitrogen oxides (NO_x)

Under certain conditions of combustion traces of other toxic substances cannot be excluded

Advice for firefighters

Do not inhale explosion and/or combustion gases

Use self-contained breathing apparatus

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions

Do not allow to enter drains or waterways

Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, universal binder)

Dispose of absorbed material in accordance with the regulations.

Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage

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Precautions for safe handling

Advice on safe handling:	Provide good ventilation of working area (local exhaust ventilation if necessary).
Hygiene measures:	Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working. Wash hands before breaks and after work. Use barrier skin cream.
General protective Measures:	Avoid contact with eyes and skin Do not inhale gases/vapors/aerosols.

Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information: No special measures required

Storage

Information:	No special measures required.
Further information on Storage conditions:	Keep container tightly closed in a cool, well-ventilated place
Storage temperature:	Protect from atmospheric moisture and water < 50 °C
Advice on common Storage:	Do not store together with alcohols. Do not store together with amines. Do not store together with oxidizing agents. Do not store with acids or alkalies Keep away from water.
German storage class:	10

Specific end use(s)

No further recommendations.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters

DNEL	butan-2-one O,O',O''-(methylsilylydyne)trioxime End Use: worker Routes of exposure: Inhalation Possible health damage: Long-term systemic effects Dose: 0,988 mg/m3
	End Use: worker Routes of exposure: Skin contact Possible health damage: Long-term systemic effects Dose: 0,14 mg/kg bw/day

End Use: Consumers
Routes of exposure: Inhalation
Possible health damage: Long-term systemic effects
Dose: 0,174 mg/m³

End Use: Consumers
Routes of exposure: Skin contact
Possible health damage: Long-term systemic effects
Dose: 0,05 mg/kg bw/day

End Use: Consumers
Routes of exposure: Ingestion
Possible health damage: Long-term systemic effects
Dose: 0,05 mg/kg bw/day

End Use: Workers
Routes of exposure: Inhalation
Possible health damage: Long-term systemic effects
Dose: 192 mg/m³
ECHA

End Use: Workers
Routes of exposure: Inhalation
Possible health damage: Acute systemic effects
Dose: 384 mg/m³
ECHA

End Use: Workers
Routes of exposure: Inhalation
Possible health damage: Long-term local effects
Dose: 192 mg/m³
ECHA

End Use: Workers
Routes of exposure: Inhalation
Possible health damage: Acute - local effects
Dose: 384 mg/m³
ECHA
End Use: Workers

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Routes of exposure: Skin contact
 Possible health damage: Long-term systemic effects
 Dose: 384 mg/kg bodyweight/day
 ECHA

End Use: Consumers
 Routes of exposure: Inhalation
 Possible health damage: Long-term systemic effects
 Dose: 56,5 mg/m³
 ECHA

End Use: Consumers
 Routes of exposure: Inhalation
 Possible health damage: Acute systemic effects
 Dose: 226 mg/m³
 ECHA

End Use: Consumers
 Routes of exposure: Inhalation
 Possible health damage: Long-term local effects
 Dose: 56,5 mg/m³
 ECHA

End Use: Consumers
 Routes of exposure: Inhalation
 Possible health damage: Acute - local effects
 Dose: 226 mg/m³
 ECHA

End Use: Consumers
 Routes of exposure: Skin contact
 Possible health damage: Long-term systemic effects
 Dose: 226 mg/kg bodyweight/day
 ECHA

End Use: Consumers
 Routes of exposure: Ingestion
 Possible health damage: Long-term systemic effects
 Dose: 8,13 mg/kg bodyweight/day
 ECHA

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PNEC

butan-2-one O,O',O''-(methylsilylydine)trioxime

Environmental compartment: Fresh water

Dose: 0,26 mg/l

Environmental compartment: Marine water

Dose: 0,026 mg/l

Environmental compartment: intermittent release

Dose: 0,12 mg/l

Environmental compartment: Wastewater treatment plant

Dose: 10 mg/l

Environmental compartment: Fresh water sediment

Dose: 1,02 mg/kg dry weight

Environmental compartment: Marine sediment

Dose: 0,102 mg/kg dry weight

Environmental compartment: Soil

Dose: 0,05 mg/kg dry weight

Environmental compartment: Fresh water

Dose: 0,68 mg/l

Environmental compartment: Wastewater treatment plant

Dose: 13,61 mg/l

Environmental compartment: Soil

Dose: 2,89 mg/kg dry weight

Exposure controls

Eye protection:

safety glasses

Hand protection:

Glove material: butyl-rubber

Break through time: 480 min

Glove thickness: > 0,7 mm

Body Protection:

protective clothing

Respiratory protection:

in case of formation of vapors/aerosols:

Short term: filter apparatus, Filter A-P2

SECTION 9: Physical and Chemical Properties

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Information on basic physical and chemical properties

Appearance	Form: clear liquid (20 °C, 1.013 hPa)
Color	Colorless
Odor	strong
Odor Threshold	N/A
pH	N/A
Melting point	Melting point/range < -73 °C (997 hPa) Method: EU Method A.1
Boiling point	Boiling point/range 250 °C (997 hPa) Method: EC Method A.2
Flash point:	106,7 °C (Closed cup) (1.013 hPa) Method: GB/T 5208-2008
Evaporation rate	N/A
Flammability	N/A
Upper Explosion/ Ignition Limit:	N/A
Lower explosion limit	N/A
Vapor pressure:	0,085 Pa Method: EC Method A.4
Relative vapor density:	not measured
Relative density:	no data available
Solubility(ies):	not measured
Water solubility:	hydrolyses
Partition coefficient:	
n-octanol/water:	not measured
Autoignition temperature:	not measured
Thermal decomposition:	> 120 °C
Viscosity, kinematic:	not measured
Viscosity, dynamic:	ca. 10 mPa·s (25 °C)
Explosive properties:	not measured
Oxidising properties:	not oxidizing
Other information	
Density:	0,984 g/cm ³ (20 °C) Method: EU Method A.3
Metal corrosion:	Does not corrode metal.

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Ignition temperature:

290 °C (1.013 hPa)

Method: ASTM E 659

SECTION 10: Stability And Reactivity**Reactivity**

see section "Possibility of hazardous reactions"

Chemical stability

The product is stable under normal conditions.

Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

Conditions to avoid

humidity

Incompatible materials

amines

alcohols

alkalines

oxidizing agents

acids

water

Hazardous decomposition products

None with proper storage and handling

SECTION 11: Toxicological Information**Routes of Entry:** Dermal contact, eye contact, inhalation, ingestion.**Acute Toxicity****Methyl tris(methyl ethyl ketoxime)silane**

LD50 (Oral, rat): N/A

LC50 (Inhalation, rat): N/A

(CAS 22984-54-9)

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

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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.

Aspiration hazard

No data available for this chemical.

Chronic Effects

No data available for this chemical.

Further Information

No data

SECTION 12: Ecological Effects**Ecotoxicology Assessment**

Acute aquatic toxicity: no data available

Chronic aquatic toxicity: no data available

Toxicity

Aquatic toxicity, fish:

static

Species: *Oncorhynchus mykiss* (rainbow trout)

Exposure duration: 96 h

EC50: > 120 mg/l

Method: OECD 203

semi-static

Species: *Oryzias latipes* (Japanese medaka)

Exposure duration: 96 h

LC50: > 100 mg/l

Method: OECD 203

Test substance: hydrolysis product

static

Species: *Lepomis macrochirus* (Bluegill sunfish)

Exposure duration: 96 h

LC50: 48 mg/l

Method: US-EPA

Test substance: hydrolysis product

Aquatic toxicity,

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invertebrates: static
Species: Daphnia magna (Water flea)
Exposure duration: 48 h
EC50: > 120 mg/l
Method: OECD 202

Aquatic toxicity, algae / aquatic plants: static test
Species: Pseudokirchneriella subcapitata
Exposure duration: 72 h
EC50: 94 mg/l
Method: OECD 201

Toxicity in microorganisms: static
Species: activated sludge
respiration rate
Exposure duration: 3 h
EC50: > 1.000 mg/l
Method: OECD 209

chronic toxicity in fish: flow-through
Species: Oryzias latipes (Orange-red killifish)
adult mortality
Exposure duration: 14 d
NOEC: >= 100 mg/l
Method: OECD 204
Test substance: hydrolysis product

Chronic toxicity in aquatic Invertebrates: semi-static test
Species: Daphnia magna (Water flea)
reproduction
Exposure duration: 21 d
NOEC >= 100 mg/l
Method: OECD 211
Test substance: hydrolysis product

Persistence and degradability

Photodegradation: no data available
Biological degradability: Biological degradability: 0 %
Exposure duration: 28 d
Result: Not readily biodegradable.
Method: OECD 301 A
Test substance: hydrolysis product

Bioaccumulative potential

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Bioaccumulation: Species: Cyprinus carpio
Exposure duration: 42 d
< 2,5
Method: OECD 305 C
Test substance: hydrolysis product

Mobility in soil

Environmental: no data available
distribution

Results of PBT and vPvB assessment

PBT and vPvB
assessment: Not a PBT, vPvB substance as per the criteria of the REACH Ordinance.

Other adverse effects

General Information: Do not allow to enter soil, waterways or waste water canal.
The product is considered to be a weak water pollutant (German law).

SECTION 13: Disposal considerations

Waste treatment methods

Product: In accordance with local authority regulations, take to special waste incineration plant
Contaminated packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport Information

Not dangerous according to transport regulations.

UN number: --
UN proper shipping name: --
Transport hazard class(es): --
Packing group: --
Environmental hazards: --
Special precautions
for user: Yes

For USA only: This product is not regulated in packages < 119 gallons / 450 L. In bulk packages this product is a Combustible Liquid, NA199

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

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Technical instructions
on Air Quality: 5.2.5 (no class)

Major Accident Hazard

Legislation: ---

Water contaminating
class (Germany): slightly water endangering
5.401
Classification acc. to German law

Risk classification according
to BetrSichV (Germany): --

Other regulations: Precautions to be observed for storage of hazardous
substances: TRGS 510 "Storage of Hazardous Substances in
Movable Containers".

Special local regulations must be adhered to when using products containing irritating or corrosive
substances.

BG Info Sheet M 050 "Activities Involving Hazardous Substances"

Chemical safety assessment
Chemical safety assessment: No chemical safety assessment was carried out for 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.