

Version 5.1R

Page 1 / 8

Revision Date 01.07.2019

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

Product Name: SiSiB® PC5122  
 Chemical Name: Methyldiethoxysilane  
 CAS-No.: 2031-62-1

**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**

Flammable liquids (Category 2), H225

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

F, Xi Highly flammable, Irritant R11, R36/37/38

**Label elements****Labelling according Regulation (EC) No 1272/2008 [CLP]**

Pictogram

Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapor.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary statement(s)

P210

Keep away from heat/sparks/open flames/hot surfaces. - No

Version 5.1R	Page 2 / 8	Revision Date 01.07.2019
--------------	------------	--------------------------

P261 smoking.  
 Avoid breathing vapors.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

**Other hazards**

none

### SECTION 3: Composition/information on ingredients

**Substances**

Chemical characterization: Natural product  
 Synonyms: Diethoxy-methylsilane  
 Formula:  $C_5H_{14}O_2Si$   
 Molecular Weight: 134.25 g/mol  
 CAS-No. : 2031-62-1  
 EC-No. : 217-982-3

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Classification	Concentration
<b>Diethoxy(methyl)silane</b>		
CAS-No. 2031-62-1	Flam. Liq. 2; Skin Irrit. 2; Eye	<= 100 %
EC-No. 217-982-3	Irrit. 2; STOT SE 3; H225, H315, H319, H335	

**Hazardous ingredients according to Directive 1999/45/EC**

Component	Classification	Concentration
<b>Diethoxy(methyl)silane</b>		
CAS-No. 2031-62-1	F, Xi, R11 - R36/37/38	<= 100 %
EC-No. 217-982-31		

### SECTION 4: First aid measures

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Version 5.1R

Page 3 / 8

Revision Date 01.07.2019

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

no data available

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, silicon oxides

**Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Further information**

Use water spray to cool unopened containers.

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

**Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage****Precautions for safe handling**

Version 5.1R	Page 4 / 8	Revision Date 01.07.2019
--------------	------------	--------------------------

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.

**Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a cool place away from water. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Moisture sensitive. Handle and store under inert gas.

**Specific end use(s)**

A part from the uses mentioned in section 1 no other specific uses are stipulated

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

**Control parameters**

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls**

**Appropriate engineering controls**

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

**Personal protective equipment**

**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to

Version 5.1R	Page 5 / 8	Revision Date 01.07.2019
--------------	------------	--------------------------

engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**SECTION 9: Physical and Chemical Properties**

**Information on basic physical and chemical properties**

a) Appearance	
Form	clear, liquid
Color	colorless
Odor	no data available
Odor Threshold	no data available
b) Safety data	
pH	no data available
Melting point/freezing point	no data available
Initial boiling point and boiling range	94 - 95 °C - lit.
Flash point	10 °C - closed cup
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	Upper explosion limit: 33.75 %(V) Lower explosion limit: 0.7 %(V)
Vapor pressure	40.10 hPa at 20 °C
Vapor density	no data available
Relative density	0.838 g/cm <sup>3</sup> at 20 °C
Water solubility	Decomposes in contact with water.
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

**Other safety information**

no data available

**SECTION 10: Stability And Reactivity**

**Reactivity**

Version 5.1R

Page 6 / 8

Revision Date 01.07.2019

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Humid air water

**Incompatible materials**

Oxidizing agents, Acids, Bases, Water

**Hazardous decomposition products**

Other decomposition products - no data available

In the event of fire: see section 5

**SECTION 11: Toxicological Information****Information on toxicological effects****Acute toxicity**

no data available

**Skin corrosion/irritation**

no data available

**Serious eye damage/eye irritation**

no data available

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

no data available

**Additional Information**

RTECS: Not available

Version 5.1R	Page 7 / 8	Revision Date 01.07.2019
--------------	------------	--------------------------

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological Effects

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

no data available

## SECTION 13: Disposal considerations

**Waste treatment methods**

**Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## SECTION 14: Transport Information

**UN number**

ADR/RID: 1993                      IMDG: 1993                      IATA: 1993

**UN proper shipping name**

ADR/RID:                      FLAMMABLE LIQUID, N.O.S. (Diethoxy(methyl)silane)

IMDG:                      FLAMMABLE LIQUID, N.O.S. (Diethoxy(methyl)silane)

IATA:                      Flammable liquid, n.o.s. (Diethoxy(methyl)silane)

**Transport hazard class(es)**

ADR/RID: 3                      IMDG: 3                      IATA: 3

**Packaging group**

Version 5.1R	Page 8 / 8	Revision Date 01.07.2019
--------------	------------	--------------------------

ADR/RID: II

IMDG: II

IATA: II

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

no data available

**SECTION 15:Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16:Other Information****Full text of H-Statements referred to under sections 2 and 3.**

Eye Irrit.

Eye irritation

Flam. Liq.

Flammable liquids

H225

Highly flammable liquid and vapor.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Skin Irrit.

Skin irritation

STOT SE

Specific target organ toxicity - single exposure

**Full text of R-phrases referred to under sections 2 and 3**

F

Highly flammable

Xi

Irritant

R11

Highly flammable.

R36/37/38

Irritating to eyes, respiratory system and skin.

**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.