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

Product Name: SiSiB® PC8221
Chemical Name: Dimethoxydiphenylsilane
CAS-No.: 6843-66-9
EC-No.: 229-929-1

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)[CLP]**

Skin Sensitization Category 2 H315

Label elements**Labeling as per (EU) 1272/2008)**

Statutory basis EU-CLP as per Regulation (EU) No.1272/2008

Symbol(s)



Signal word Danger
Hazard statement(s) H315 - May Causes skin irritation.
Precautionary statement(s): None

Other hazards

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

SECTION 3: Composition/information on ingredients

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Substances**Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No.1272/2008****Diphenyldimethoxysilane**

Formula:	C ₁₄ H ₁₆ iO ₂ Si	
Molecular Weight:	244,36 g/mol	
CAS-No.	6843-66-9	
EC-No.	229-929-1	
Skin Sensitization	Category 2	H315
Texts of H phrases see in Chapter 16		

SECTION 4: First aid measures**Description of first aid measures**

Take off all contaminated clothing immediately.

Inhalation:

If aerosol or mists are formed:

Move victims into fresh air.

Skin contact:

Wash off immediately with plenty of water.

Consult a doctor in the event of permanent skin irritation.

Eye contact:

With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes.

Continue rinsing process with eye rinsing solution.

Protect unharmed eye.

Ingestion:

Have the mouth rinsed with water.

Only when patient fully conscious:

Have patient drink plenty of water in small sips.

Call a physician immediately.

Most important symptoms and effects, both acute and delayed**Indication of any immediate medical attention and special treatment needed**

No data available

SECTION 5: Firefighting measures**Extinguishing media**

Suitable extinguishing media:	Water spray
	Foam
	Carbon dioxide (CO ₂)

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Unsuitable extinguishing media: Dry powder
high volume water jet

Special hazards arising from the substance or mixture

Carbon oxides, silicon oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

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

Use personal protective equipment.

Environmental precautions:

Do not allow entrance in sewage water, soil stretches of water, groundwater, and drainage systems.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Fill into marked, sealable containers.

To be disposed of in compliance with existing regulations.

Reference to other sections

Wear personal protective equipment; see section 8.

Disposal considerations; see section 13.

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

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.

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.

Store under inert gas. Moisture sensitive.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Specific end use(s)

No further information available

Applications; see Section 1.

SECTION 8: Exposure controls/personal protection

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Control parameters**Components with workplace control parameters**

Contains no substances with occupational exposure limit values

Other information

No substance-specific limiting value being known.

Exposure controls**Engineering measures**

Provide adequate ventilation.

Personal protective equipment**Respiratory protection**

In case of dusts/vapors/aerosols being formed or if the limit values like TLV are exceeded:

Use respiratory equipment with suitable filter (filter type ABEK) or wear a self-contained respiratory apparatus.

Use only respiratory protection equipment with CE-symbol including four digit test number.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Note time limit for wearing respiratory protective equipment.

Hand 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.

Immersion protection

Glove material Nitrile rubber

Material thickness 0.4 mm

Break through time >480 min

Material tested: Camatril® (Aldrich Z677442, Size M)

Splash protection

Glove material Nitrile rubber

Material thickness 0.2 mm

Break through time >=30 min

Material tested: Dermatoid® P (Aldrich Z677388, Size M)

Selection of protective gloves to meet the requirements of specific workplaces.

Suitability for specific workplaces should be clarified with protective glove manufacturers.

The information is based on our own tests, references from the literature and information from glove manufacturers, or derived by analogy with similar materials.

Please observe that the daily duration of usage of a chemical protective glove is in practice far shorter due

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to the many influencing factors (e.g. temperature, mechanical strain on the glove material) than the permeation time determined acc. EN 374.

Eye protection

Close-fitting protective goggles (e.g. closed goggles)

Skin and body protection

Suitable protective clothing - Use disposable clothing if appropriate.

Hygiene measures

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work.

Remove immediately all contaminated clothing.

Wash contaminated clothing before re-use.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

The personal protective equipment used must meet the requirements of directive 89/686/EEC and amendments (CE certification).

If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.

If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

Do not breathe in vapors or aerosols.

Avoid contact with skin and eyes.

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

Appearance:

Form	liquid
Color:	Colorless transparent liquid
Physical state	liquid
Odor:	
Odor Threshold:	not determined
PH:	not determined
Melting point/range	not determined
Boiling point/range	161,0 - 286,0°C (20 hPa)
Flash point:	121 ⁰ C
Evaporation rate	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Vapor pressure:	< 7 hPa (25 °C)
Density:	approx. 1,08 g/cm ³ (20 °C)
Water solubility:	no data available
Partition coefficient: n-octanol/water	not determined

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Auto inflammability	not determined
Thermal decomposition	not determined
Viscosity, dynamic	no data available
Other information	
No data available	

SECTION 10: Stability and reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Exothermic reaction with: acids

Conditions to avoid

Protect from moisture.

Incompatible materials

Acids

Hazardous decomposition products

Other decomposition products - no data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute oral toxicity	LD50 Rat: 2000 mg/kg
Acute inhalation toxicity	May be harmful if inhaled. Causes respiratory tract irritation.
Acute dermal toxicity	May be harmful if swallowed.
Skin irritation	May be harmful if absorbed through skin. Causes skin irritation.
Eye irritation	No data available.
Test substance:	Structurally similar substance
Sensitization	Guinea pig: May cause sensitization by skin contact.
Test substance:	Structurally similar substance
Assessment of STOT single exposure	No data available
Assessment of STOT repeat exposure	No data available
Carcinogenicity	No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Risk of aspiration toxicity	No data available
Gentoxicity in vitro	No data available

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Toxicity to reproduction No data available

SECTION 12: Ecological information

Toxicity

No eco-toxicological data is available for this product.

Persistence and degradability

Biodegradability No data available

Bio-accumulative potential

Bioaccumulation No data available

Mobility in soil

Mobility No data available

Results of PBT and vPvB assessment

A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

Other adverse effects

Further information Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

Waste treatment methods

Product:

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Uncleaned packaging

Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities.

If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous.

Other countries: observe the national regulations.

Waste Key Number

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer.

The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

SECTION 14: Transportation information

UN number

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ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class (es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment

No substance-related safety assessment is necessary / has been conducted for this product.

SECTION 16: Other information

Relevant H phrases from chapter 3

H315 May Causes skin irritation.

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.