

Version 5.1R

Page 1 / 7

Revision Date 06.03.2019

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

Product Name: SiSiB® F9210

CAS-No.: 7631-86-9

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**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Route of entry or possible contact

Inhalation, Eyes contact, Skin contact.

Acute health effects

Eye contact: No acute toxic effects are expected. Slight irritation by mechanical effects is possible.

Skin contact: No acute toxic effects are expected. Temporary discomfort like feeling of dryness on the skin.

Inhalation: No acute toxic effects are expected. May cause physical discomfort to the respiratory tract.

Not mutagenic in different in-vitro and in-vivo test systems. A long term exposure exceeding TLV can lead to damaging effect as a result of mechanical overloading of the respiratory tract.

Chronic respiratory exposure: Changes in respiratory organs observed in animal experiments (inflammatory processes) were reversible; no indication of silicosis.

Animal tests have shown no indication to carcinogenic or to reproduction effects.

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

Hydrophobic highly dispersed silica, synthetic, x-ray amorphous silicon dioxide

Appearance High purity White colloidal powder

Formula SiO₂

CAS-No. 7631-86-9

EC-No. 231-545-4

Version 5.1R

Page 2 / 7

Revision Date 06.03.2019

Silica Content \geq 99.87%Others \leq 0.2%**SECTION 4: First aid measures****If inhaled**

If inhaled, remove to fresh air. Get medical attention if symptoms occur. Show label if possible.

In case of skin contact

Wash skin with plenty of water or with water and soap.

In case of eye contact

Flush eyes with plenty of water immediately, get medical attention if symptoms occur.

If swallowed

Drink plenty of water. Get medical attention if symptoms occur. Show label if possible.

SECTION 5: Firefighting measures**Flammable properties**

Non combustible material

Lower explosion limit (LEL) (Vol%)

not applicable

Flash point (°C)

not applicable

Upper explosion limit (UEL) (Vol%)

not applicable

ignition temperature (°C)

not applicable

Fire and explosion hazards

Electrostatic charging is possible. Ensure all parts of equipment are well earthed.

Use inert gas when working with combustible and explosive liquids.

Extinguishing agent

Use extinguishing measures appropriate to the source of fire.

SECTION 6: Accidental release measures**Precautions**

Avoid dust formation. Do not breathe dust. Cover any spilled material in accordance with regulations to prevent dispersal by wind.

Fire fighting procedures

Fire fighters should wear full protective clothing including a self-contained breathing apparatus.

Version 5.1R

Page 3 / 7

Revision Date 06.03.2019

Environmental measures

In accordance with the local related regulatory.

Methods for cleaning up

Clean up promptly by vacuum and fill into containers.

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

Avoid dust formation/ vapor/mist/gas/aerosol. Avoid contacting with the skin and the eyes. When be handling don't eat drink or smoke. Keep container dry and tightly closed. Avoid dust deposit. Electrostatic discharge possible during transport and processing. Take precautionary measures against electrostatic charging.

Precautions for storage

Avoid dust deposit, remove dust regularly.

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

China MAC(mg/m³) 2mg/m³

The USATVL-TWA 10mg/m³

The USA TLV-STEL 3mg/m³

Engineering controls

Use only with adequate ventilation .need Local exhaust ventilation, To maintain concentration below TLV.

Respiratory protection

A NIOSH approved particulate respirator with a P95 or higher rating.

Eye protection

Recommendation: Safety glasses with side shields or chemical safety goggles

Body protection

Avoid to contact with skin

Hand protection

rubber gloves

Other protective clothing or equipment

Wear antistatic clothes and boot. Barrier cream may be used to prevent dryness of skin.

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

Melting point (°C) ~1700

Boiling point (°C) ~2300

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|--------------|------------|--------------------------|
| Version 5.1R | Page 4 / 7 | Revision Date 06.03.2019 |
|--------------|------------|--------------------------|

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|-----------------------------------|---------------------|
| Density(g/cm ³ (20°C)) | 2.2 |
| Tamped density(g/l) | 30~60 |
| pH-Value | 3.7-4.5 |
| Water solubility / miscibility | Virtually insoluble |
| Enthalpy (kJ/mol) | no data available |
| Decomposition temperature (°C) | > 150 |
| Critical temperature (°C) | no data available |
| Critical press (MPa) | no data available |

SECTION 10: Stability And Reactivity

Stability

Stable at room temperature and standard atmosphere

Hazardous polymerization

Hazardous polymerization does not occur

Conditions to avoid

Keep away from heat and sources of ignition. Avoid dust formation. Product resists ignition and does not promote flame spread.

Materials to avoid

HF

SECTION 11: Toxicological Information

Acute toxicity

LD50 Oral: > 5000mg/kg (rat) by inhalation: > 0.477mg/l/4h (rat)

LC50 None dead rate at technical max. concentration (rabbit)

Mutagenicity

Thrill

Experience with rabbit: not irritating to eyes and shin. Experience with man: By prolonged contact with the product no damage to health was observed Repeated exposure may cause skin drying and cracking.

Teratogenicity

Irritability

Carcinogenicity Not classified

Chronic toxicity

Not mutagenic in different in-vitro and in-vivo test systems. A long term exposure exceeding TLV can lead to damaging effect as a result of mechanical overloading of the respiratory tract. Chronic respiratory exposure: Changes in respiratory organs observed in animal experiments (inflammatory processes) were reversible; no indication of silicosis. Animal tests have shown no indication to carcinogenic or to reproduction effects.

Version 5.1R

Page 5 / 7

Revision Date 06.03.2019

SECTION 12: Ecological Effects**General notification**

Not applicable to Biodegradation No harmful effects to environment. Can be removed mechanically from waste water.

SECTION 13: Disposal considerations**Product disposal****Recommendation**

After solidification, material can be stored together with domestic waste. Observe local/state regulations. Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local regulations.

SECTION 14: Transport Information

| | |
|-------------------------------|-------------------------------------|
| Hazard No. | None |
| UN NO. | None |
| Packing classification | Wooden fumigation Pallet or Bags |
| Packing symbol | HIFULL |
| Air transport | IATA/ICAO NOT RESTRICTED |

SECTION 15: Regulatory Information**Regulatory information**

All information in this section is found under the general silica: CAS RN 7631-86-9, EINECS RN 231-545-4.

Hazard Classification

United States - OSHA (29 CFR 1910.1200): Not Hazardous

Mexico - NOM-018-STPS-2000: Not hazardous

Canada - WHMIS Classification (CPR, SOR/88-66): Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS

Contains all the information required by the Controlled Products Regulations.

Chemical name

Synthetic Amorphous

General silica CAS RN 7631-86-9, is listed

International Inventories

TSCA- United States Toxic Substances Control Act Section 8(b) Inventory Complies
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List Complies
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European
List of Notified Chemical Substances Complies
ENCS - Japan Existing and New Chemical Substances Complies
IECSC - China Inventory of Existing Chemical Substances Complies
KECL - Korean Existing and Evaluated Chemical Substances Complies
PICCS - Philippines Inventory of Chemicals and Chemical Substances Complies
AICS -Australian Inventory of Chemical Substances Complies
NZIOC - New Zealand Inventory of Chemicals Complies
TCSI - Taiwan Chemical Substance Inventory Complies

US Federal Regulations

TSCA Section 12(b) Export Regulations:

This product does not contain any components that are subject to TSCA 12(b) Export Notification SARA
Section 302 (40 CFR 355)

Extremely Hazardous Substances:

No components are listed as extremely hazardous substances under SARA Section 302.

SARA 311/312 Hazard Categories

Acute Health Hazard

NO Chronic Health Hazard

NO Fire hazard

NO Sudden release of pressure hazard

NO Reactive Hazard

SARA Section 313 (40 CFR 372) Toxic Release Inventory

Does not contain any of the substances identified under Section 313 as toxic chemicals in excess of the
de minimis concentrations necessary to be subject to the supplier notification requirements.

Clean Air Act Amendments of 1990 (CAA, Section 112, 40 CFR 82):

This product does not contain any components listed as a Hazardous Air Pollutant, Flammable Substance,
Toxic Substance, or Class 1 or 2 Ozone Depletor

CWA(CleanWaterAct)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40
CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under
the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or
the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific
reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

| | | |
|--------------|------------|--------------------------|
| Version 5.1R | Page 7 / 7 | Revision Date 06.03.2019 |
|--------------|------------|--------------------------|

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania | Louisiana: |
|------------------|------------|---------------|--------------|------------|
| Silica 68611-449 | X | X | X | |

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.