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

Product Name: SiSiB® PC5210
Chemical Name: Chlorodimethylsilane
CAS-No.: 1066-35-9

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**

Flammable liquids (Category 1), H224

Substances and mixtures, which in contact with water, emit flammable gases (Category 3),
H261

Acute toxicity, Inhalation (Category 3), H331

Skin corrosion (Sub-category 1A), H314

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

Pictogram

Signal word

Danger

Hazard statement(s)

H224

Extremely flammable liquid and vapor.

H261

In contact with water releases flammable gases.

H314

Causes severe skin burns and eye damage.

H331

Toxic if inhaled.

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Precautionary statement(s)

| | |
|--------------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P231 + P232 | Handle and store contents under inert gas. Protect from moisture. |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |

Supplemental Hazard information (EU)

| | |
|--------|-------------------------------------|
| EUH014 | Reacts violently with water. |
| EUH071 | Corrosive to the respiratory tract. |

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

Substances

| | |
|-------------------|------------------------------|
| Synonyms: | DMCS Dimethylchlorosilane |
| Molecular weight: | 94.62 g/mol |
| CAS-No. : | 1066-35-9 |
| EC-No. : | 213-912-0 |

| Component | Classification | Concentration |
|----------------------|---|---------------|
| Chlorodimethylsilane | | |
| | Flam. Liq. 1; Water-react. 3; Acute Tox. 3; Skin Corr. 1A; H224, H261, H331, H314 | <= 100 % |

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

General advice

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

If inhaled

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

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Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

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

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) 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**

Dry powder

Special hazards arising from the substance or mixture

Carbon oxides, Hydrogen chloride gas, 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**

Wear respiratory protection. 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 wetbrushing and place in container for disposal according to local regulations (see section 13). Do not flush with water.

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Reference to other sections

For disposal see section 13.

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

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.

Never allow product to get in contact with water during storage.

Recommended storage temperature 2 - 8 °C

Handle and store under inert gas. Moisture sensitive.

Specific end uses

Apart 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**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment**Eye/face protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, 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 fullface respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to 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 |
| b) Odor | no data available |
| c) Odor Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | Melting point/range: -111 °C - lit. |
| f) Initial boiling point and boiling range | 34.7 °C - lit. |
| g) Flash point | -23 °C - closed cup |
| h) Evaporation rate | no data available |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | Upper explosion limit: 20 %(V) Lower explosion limit: 3 %(V) |
| k) Vapor pressure | 590.19 hPa at 20 °C 1,924.5 hPa at 55 °C |
| l) Vapor density | 3.27 - (Air = 1.0) |
| m) Relative density | 0.852 g/cm ³ at 25 °C |
| n) Water solubility | no data available |
| o) Partition coefficient: n-octanol/water | no data available |
| p) Auto-ignition temperature | 250 °C at 1013.0 hPa |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties | no data available |
| t) Oxidizing properties | no data available |

Other safety information

| | |
|------------------------|--------------------|
| Relative vapor density | 3.27 - (Air = 1.0) |
|------------------------|--------------------|

SECTION 10: Stability And Reactivity**Reactivity**

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Reacts violently with water.

Conditions to avoid

Heat, flames and sparks. Exposure to moisture

Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas, silicon oxides

Other decomposition products - No data available

In the event of fire: see section 5

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

LC50 Inhalation - Rat - male and female - 1 h - 8.66 mg/l
(OECD Test Guideline 403)

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

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.

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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

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

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Dispose of as unused product.

SECTION 14:Transport Information**UN number**

ADR/RID: 2988

IMDG: 2988

IATA: 2988

UN proper shipping name

ADR/RID: CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.

IMDG: CHLOROSILANES, WATER-REACTIVE, FLAMMABLE, CORROSIVE, N.O.S.

IATA: Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.

Passenger Aircraft: Not permitted for transport

Transport hazard class(es)

ADR/RID: 4.3 (3, 8)

IMDG: 4.3 (3, 8)

IATA: 4.3 (3, 8)

Packing group

ADR/RID: I

IMDG: I

IATA: I

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 material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

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.**

EUH014

Reacts violently with water.

EUH071

Corrosive to the respiratory tract.

H224

Extremely flammable liquid and vapor.

H261

In contact with water releases flammable gases.

H314

Causes severe skin burns and eye damage.

H331

Toxic if inhaled.

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

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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.