

Material Safety Data Sheet

SiSiB® PC6130 SILANE- 1 -

1. Identification of The Substance/Mixture and of The Company

Product Code: SiSiB® PC6130
Chemical Name: Tris(2-methoxyethoxy)(vinyl)silane
Manufacturer: Power Chemical Corporation Limited.
Post Address: Guanghua Science & Technology Industrial Park, No. 104, Guanghua Road, Nanjing 210007, P.R.China
Emergency Telephone Number: +86-25-8468-0091
Use of Substance: For Industrial Use

2. Hazardous Identification

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Acute toxicity, Dermal (Category 4)

Eye irritation (Category 2)

Reproductive toxicity (Category 2)

According to European Directive 67/548/EEC as amended.

Harmful in contact with skin. Irritating to eyes. Possible risk of impaired fertility.

Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

H312

Harmful in contact with skin.

H319

Causes serious eye irritation.

H361

Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

P280

Wear protective gloves/ protective clothing.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard symbol(s)

Xn

Harmful

R-phrases(s)

R21

Harmful in contact with skin.

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R36 Irritating to eyes.
R62 Possible risk of impaired fertility.
S-phrases(s)
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 Wear suitable protective clothing and gloves.
Other hazards – none

3. Composition/Information on Ingredients

Synonyms : Vinyltris(2-methoxyethoxy)silane
Formula : $C_{11}H_{24}O_6Si$
Molecular Weight : 280,39g/mol

Component	Concentration
Tris(2-methoxyethoxy)vinylsilane	
CAS-No. 1067-53-4 EC-No. 213-934-0	-

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.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire Fighting Measures

Suitable extinguishing media

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

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

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Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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 in cool place.

Moisture sensitive.

8. Exposure Controls and Personal Protection

Personal protective equipment

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 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).

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.

Eye 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 and body protection

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Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

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

9. Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance	Form: clear, liquid Colour: light yellow
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting/freezing point	no data available
f) Initial boiling point and boiling range	136,2 °C at 7,3 hPa - lit.
g) Flash point	113 °C - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Lower explosion limit	no data available
Upper explosion limit	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1,034 g/cm ³ at 25 °C
n) Water solubility	insoluble
o) Partition coefficient: noctanol/water	no data available
p) Autoignition temperature	no data available
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 no data available

10. Stability and Reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

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no data available

Materials to avoid

Strong oxidizing agents, Peroxides, Water

Hazardous decomposition products

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

11. Toxicological Information

Acute toxicity

LD50 Oral - rat - 2.960 mg/kg

LD50 Dermal - rabbit - 1.575 mg/kg

Skin corrosion/irritation

Skin - rabbit - Open irritation test

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

May cause congenital malformation in the fetus.

Suspected human reproductive toxicant

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes

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Causes serious eye irritation.

Signs and Symptoms of Exposure

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

Additional Information

RTECS: VV6826000

12. Ecological Effects

Toxicity

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 314 mg/l - 48 h
and other aquatic
invertebrates.

Toxicity to algae EC50 - other microorganisms - 75 mg/l - 72 h

Persistence and degradability

Biodegradability Result: 89 % - Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

Harmful to aquatic life.

No data available

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.

Contaminated packaging

Dispose of as unused product.

14. Transport Information

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

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Not dangerous goods

15. Regulatory Information

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

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.

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