

(Triphenylmethyl)methyldichlorosilane, 98%**1. Identification**

1. Product name : (Triphenylmethyl)methyldichlorosilane, 98%

2. Product Number : T8845.1

3. Brand : JSI Silicone Co.

4. Relevant identified uses of the substance or mixture and uses advised against : For research and industrial use only. Not for food or drug use.

5. Supplier

Company: JSI Silicone Co.,

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2. Hazard(s) identification

1. Classification of the substance or mixture

Skin corrosion/irritation Category 1B

H314 Causes severe skin burns and eye damage

Serious eye damage/eye irritation Category 1

H318 Causes serious eye damage

Full text of H statements : see section 16

2. GHS Labelling

- Pictogram



- Signal word Danger

- Hazard statement(s)

H314 Causes severe skin burns and eye damage

- Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P260 Do not breathe dust.

P264 Wash hands thoroughly after handling.

P301+P330+P331 If swallowed: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

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

P310 Immediately call a doctor.

P321 Specific treatment (see first aid instructions on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container to licensed waste disposal facility.

3. Hazards not otherwise classified (HNOC)

Hydrogen chloride may be formed by reaction with water and moisture in air. The US OSHA PEL (TWA) for hydrogen chloride is 5 ppm.

3. Composition/Information in ingredients

Chemical name : (Triphenylmethyl)methyldichlorosilane

Formula : C₂₄H₅₇NO₆Si₃

Chemical name	CAS No	%
(Triphenylmethyl)methyldichlorosilane	254343-28-9	>98%

4. First-aid measures

1.First-aid measures after eye contact :

Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

2.First-aid measures after skin contact :

Wash with plenty of soap and water. Get immediate medical advice/attention.

3.First-aid measures after inhalation :

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

4.First-aid measures after ingestion :

Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

5.First-aid measures general :

Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.

5. Fire-fighting measures

1.Suitable extinguishing media :

Suitable extinguishing media : Water spray. Foam. Carbon dioxide. Dry chemical.

Unsuitable extinguishing media : Water.

2.Specific hazards arising from the chemical :

Fire hazard :Irritating fumes of hydrogen chloride and organic acid vapors may develop when material is exposed to water or open flame.

3.Special protective equipment and precautions for fire-fighters :

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray to cool exposed surfaces.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust.

6. Accidental release measures**1.Personal precautions, protective equipment and emergency procedures :**

– For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

– For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

2.Environmental precautions :

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

3.Methods and material for containment and cleaning up :

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

4.Reference to other sections :

See Heading 8. Exposure controls and personal protection.

7. Handling and storage**1.Precautions for safe handling :**

Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide local exhaust or general room ventilation to minimize exposure to dust.

2.Hygiene measures :

Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

8. Exposure controls/personal protection**1.Control parameters :**

No additional information available.

2.Appropriate engineering controls :

Provide local exhaust or general room ventilation.

3.Individual protection measures/Personal protective equipment :**– Respiratory protection**

Where exposure through inhalation may occur from use, respiratory protection equipment is

recommended. NIOSH-certified combination organic vapor/acid gas (yellow cartridge) respirator.

- Hand protection

Neoprene or nitrile rubber gloves

- Eye protection

Chemical goggles or face shield. Contact lenses should not be worn.

- Skin and body protection

Wear suitable protective clothing

- Personal protective equipment

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. Physical and chemical properties

Physical state	Solid
Appearance	Solid
Color	Off-white
Odor	Acrid. Similar to hydrogen chloride.
Odor threshold	No data available
pH	No data available
Freezing point	No data available
Boiling point	> 200 °C @ 3 mm Hg
Flash point	> 200 °C
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Vapor pressure	No data available
Solubility	Insoluble in water. Reacts with water.
Relative vapor density at 20 °C	No data available
Relative density	No data available
Octanol-water partition coefficient	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, dynamic	No data available
Molecular mass	375.35 g/mol

10. Stability and reactivity

1. Chemical stability

Stable in sealed containers stored under a dry inert atmosphere.

2. Possibility of hazardous reactions

Reacts with water and moisture in air, liberating hydrogen chloride.

3. Conditions to avoid

Heat. Open flame. Sparks.

4. Incompatible materials

Acids. Alcohols. Oxidizing agent.

5. Hazardous decomposition products

Hydrogen chloride. Organic acid vapors.

6.Reactivity

No additional information available

11. Toxicological information**Acute toxicity**

Not classified.

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitization

Not classified.

Carcinogenicity

Not classified.

Germ cell mutagenicity

Not classified.

Reproductive toxicity

Not classified.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not classified.

Symptoms/effects after inhalation

May cause irritation to the respiratory tract.

Symptoms/effects after skin contact

Causes (severe) skin burns.

Symptoms/effects after eye contact

Causes serious eye damage.

Symptoms/effects after ingestion

May be harmful if swallowed.

Reason for classification : Expert judgment

12. Ecological information**1.Toxicity**

No additional information available

2.Persistence and degradability

No additional information available

3.Bioaccumulative potential

No additional information available

4.Mobility in soil

No additional information available

5.Other adverse effects

- Other adverse effects : This substance may be hazardous to the environment.

- **Effect on the ozone layer** : No additional information available

13. Disposal considerations

- **Sewage disposal recommendations** : Do not dispose of waste into sewer.
- **Product/Packaging disposal recommendations** : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
- **Ecology - waste materials** : Avoid release to the environment.

14. Transport information

IMDG

UN number: 2987 Class: 8 Packing group: II

Proper shipping name: Chlorosilanes, corrosive, n.o.s.((TRIPHENYLMETHYL)METHYLDICHLOROSILANE)

IATA

UN number: 2987 8 Packing group: II

Proper shipping name: Chlorosilanes, corrosive, n.o.s.((TRIPHENYLMETHYL)METHYLDICHLOROSILANE)

15. Regulatory information

1. Regulation under the Occupational Safety and Health Act

Harmful Substances Required Permission for Manufacture - Not applicable

Harmful Substances Prohibited from Manufacturing - Not applicable

2. Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals - Not applicable

Restricted Chemicals - Not applicable

Prohibited Chemicals - Not applicable

Accident Precaution Chemicals - Not applicable

3. Dangerous Substances Safety Management Act

Flammable liquids, Type 4 petroleum - Water insoluble liquid

4. Waste Control Act

Follow article 13 of the act to dispose the product waste

5. Other regulations

KECI Number

On the inventory, or in compliance with the inventory

16. Other information

List of references

Issuing data: 2022. 03. 17

Version

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of

SAFETY DATA SHEET**JSI Silicone Co.**

the product. JSI Silicone Co. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.