

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Chloromethyltrimethylsilane
Synonyms: SILANE CMM3; Trimethyl(chloromethyl)silane
Company Identification: PI Chemicals Ltd.
5rd Floor, 88 Cailun Road
Zhangjiang Hi-Tech Park
Pudong New Area, Shanghai China, 201203
Telephone Number: 86-21-58953700
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Section 2 - Product Information

Catalog Number: PI-12821
CAS Number: 2344-80-1
MDL Number: MFCD00000878
EC Number: 219-085-5
Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Liquid
Color: Colorless to light yellow
Odor: Not available
Molecular Formula: C₄H₁₁ClSi
Molecular Weight: 122.67
Freezing/Melting Point: <0°C
Boiling Point: 98-99 °C(lit.)
Flash Point: -4 °C/25 °F
Autoignition Temperature: Not available
Refractive Index (n_D20): Not available
Density: 0.879 g/mL at 25 °C(lit.)
Decomposition Temperature: Not available
Solubility: Soluble in water

Section 4 - Hazards Identification

Eye: Causes eye irritation.

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| Skin: | Causes skin irritation. Harmful if absorbed through the skin. |
| Ingestion: | May cause irritation of the digestive tract. Toxic if swallowed. |
| Inhalation: | May be harmful if inhaled. Causes respiratory tract irritation. |

Section 5 - First Aid Measures

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| Eye: | May cause eye irritation. |
| Skin: | May cause skin irritation. |
| Ingestion: | May be harmful if swallowed. |
| Inhalation: | Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. |

Section 6 - Stability and Reactivity

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| Chemical Stability: | Stable under recommended temperatures and pressures. |
| Materials to avoid: | Strong oxidizing agents, Strong acids. |
| Conditions to Avoid: | Incompatible materials. |
| Hazardous Decomposition Products: | Carbon oxides, hydrogen chloride. |
| Hazardous Polymerization: | Has not been reported. |

Section 7 - Handling and Storage

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| Handling: | Avoid all direct contact with material. Wash thoroughly after handling. Have safety shower and eye wash available. Do not get in eyes, on skin, on clothing. |
| Storage: | Keep container tightly closed in a dry and well-ventilated place. |

Section 8 - Personal Protection

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| Eyes: | Wear appropriate protective eyeglasses. |
| Skin: | Wear appropriate protective gloves to prevent skin exposure. |
| Clothing: | Wear appropriate protective clothing to prevent skin exposure. |
| Respirators: | Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |

Section 9 - Fire and Explosion Hazard Data

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| General Information: | As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes. |
| Extinguishing Media: | Use water spray, dry chemical, carbon dioxide, or appropriate foam. |

Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 2344-80-1: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: Chloromethyltrimethylsilane
–Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: UN 1993, CLASS 3, PG II.

IMO: UN 1993, CLASS 3, PG II.

RID/ADR: UN 1993, CLASS 3, PG II.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F, Xi, C

Indication of Danger: Highly Flammable, Irritant, Corrosive

Risk Phrases:

R 11: Highly Flammable.

R 36/37/38: Irritating to eyes, respiratory system and skin.

R 34: Causes burns.

Safety Phrases:

S 16: Keep away from sources of ignition - No smoking.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36: Wear suitable protective clothing.

S 29: Do not empty into drains.

S 37/39: Wear suitable gloves and eye/face protection.

S 33: Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

CAS#2344-80-1: 3.

Canada

CAS# 2344-80-1: Not available.

US Federal

TSCA

CAS# 2344-80-1 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: March 6, 2009

Update: June 5, 2010

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