

Chloro(chloromethyl)dimethylsilane 1719-57-9 MSDS

Section 1 - Chemical Product

MSDS Name: Chloro-(chloromethyl)-dimethylsilane, 98% Material Safety Data Sheet

Synonym: (Chloromethyl)dimethylchlorosilane; CMDMCS

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content
1719-57-9	Chloro(chloromethyl)dimethylsilane	98%

Hazard Symbols: C

Risk Phrases: 10 34

SECTION 3 - HAZARDS IDENTIFICATION EMERGENCY OVERVIEW Flammable. Causes burns. Corrosive. Flammable liquid. The toxicological properties of this material have not been fully investigated. Moisture sensitive. Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns.

Ingestion:

Causes gastrointestinal tract burns. May cause nausea and vomiting.

Inhalation:

Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Chronic:

Not available.

SECTION 4 - FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not

breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

SECTION 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Reacts violently with water.

Extinguishing Media:

Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER!

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Remove all sources of ignition.

SECTION 7 - HANDLING and STORAGE

Handling:

Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas.

Avoid contact with skin and eyes. Use only in a chemical fume hood.

Storage:

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

Keep under a nitrogen blanket. Flammables-area.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Exposure Limits CAS# 1719-57-9: United Kingdom, WEL - TWA: (listed as silica, amorphous): 6 mg/m³ (inhalable dust); 2.4 mg/m³ TWA (respirable dust) United Kingdom, WEL - STEL: (listed as silica, amorphous): 18 mg/ STEL (inhalable dust); 7.2 mg/m³ STEL (respirable dust)

Russia: (listed as silica, amorphous): 1 mg/m³ TWA Personal Protective Equipment

Eyes:

Wear chemical goggles and a face shield if splashing is possible.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: clear, colorless

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 149 deg C @ 760.00mm Hg

Freezing/Melting Point: Not available.

Autoignition Temperature: 355 deg C (671.00 deg F)

Flash Point: 22 deg C (71.60 deg F)

Explosion Limits, lower: 1.40 vol %

Explosion Limits, upper: 51.50 vol %

Decomposition Temperature:

Solubility in water: decomposes in water

Specific Gravity/Density: 1.0860g/cm³

Molecular Formula: C₃H₈Cl₂Si

Molecular Weight: 143.09

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Exposure to moist air or water.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong acids, moisture.

Hazardous Decomposition Products:

Hydrogen chloride, carbon monoxide, carbon dioxide, silicon dioxide.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 1719-57-9 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

Chloro(chloromethyl)dimethylsilane - Not listed by ACGIH, IARC, or NTP.

SECTION 12 - ECOLOGICAL INFORMATION

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATIONIATA

Shipping Name: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.

Hazard Class: 3 (8)

UN Number: 2985

Packing Group: II IMO

Shipping Name: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.

Hazard Class: 3.2 (8)

UN Number: 2985

Packing Group: II RID/ADR

Shipping Name: CHLOROSILANES, FLAMMABLE, CORROSIVE, N.O.S.

Hazard Class: 3

UN Number: 2985

Packing group: II

SECTION 15 - REGULATORY INFORMATIONEuropean/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 10 Flammable. R 34 Causes burns.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking. S 25 Avoid contact with eyes. S 36/37/39

Wear suitable protective clothing, gloves and eye/face protection. S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). WGK (Water

Danger/Protection) CAS# 1719-57-9: 1 Canada CAS# 1719-57-9 is listed on Canada's NDSL List.

CAS# 1719-57-9 is not listed on Canada's Ingredient Disclosure List. US FEDERAL TSCA CAS#

1719-57-9 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date: 9/02/1997 Revision #2 Date: 3/18/2003 The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

SECTION 16 - ADDITIONAL INFORMATION

N/A