

Chloromethyldichloromethylsilane 1558-33-4 MSDS

Section 1. Chemical Product and Company Identification

Chemical Name Chloromethyl(dichloro)methylsilane
Portland OR
Synonym (Chloromethyl)methyldichlorosilane;
Dichloro(chloromethyl)methylsilane
Chemical Formula C₂H₅Cl₃Si
CAS Number 1558-33-4

Section 2. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Rat LC50(inhalation)	6800mg/m ³ /4H			
Chloromethyl(dichloro)methylsilane	1558-33-4	Min. 97.0 (GC)		Not available.

Section 3. Hazards Identification

Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes

Acute Health Effects

of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe

irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Harmful if ingested or inhaled.

Minimize exposure to this material. Severe overexposure can result in injury or death. Follow safe industrial hygiene

practices and always wear proper protective equipment when handling this compound.

CARCINOGENIC EFFECTS : Not available.

Chronic Health Effects

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or

prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen

tight clothing such as a collar, tie, belt or

waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.

Ingestion DO NOT INDUCE VOMITING. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing,

perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible

indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

Section 5. Fire and Explosion Data

Not available.

Auto-Ignition

Flammability Combustible.

Flammable Limits LOWER: 3.1%

Flash Points 35°C (95°F).

Combustion Products These products are toxic carbon oxides (CO, CO₂), halogenated compounds, silicates.

WARNING: Highly toxic HCl gas is produced during combustion.

Fire Hazards Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Explosion Hazards

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media SMALL FIRE: Use DRY chemical powder.

and Instructions LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure

build-up, autoignition or explosion. Consult with local fire authorities before attempting large scale fire-fighting operations.

Continued on Next Page

Chloromethyl(dichloro)methylsilane

Section 6. Accidental Release Measures

Spill Cleanup Combustible liquid. Corrosive liquid. Harmful Liquid. Moisture sensitive liquid.

Keep away from heat. Mechanical exhaust required. Stop leak if without risk. Absorb with DRY earth, sand or other

Instructions

non-combustible material. DO NOT get water inside container. DO NOT touch spilled material.

Use water spray curtain to

divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed.

Consult federal, state, and/or local

authorities for assistance on disposal.

Section 7. Handling and Storage

Handling and Storage CORROSIVE. COMBUSTIBLE. HARMFUL. MOISTURE SENSITIVE. Keep container dry. Keep away from heat. Mechanical exhaust required. Avoid excessive heat and light. Do not breathe gas/fumes/ vapor/spray. Never add water to this product.

Information

Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Treat

symptomatically and supportively.

Always store away from incompatible compounds such as strong oxidizing agents, strong alkalis (bases), moisture. Store under inert gas.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.

Personal Protection Face shield. Lab coat. Vapor respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a

specialist BEFORE handling this product. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Not available.

Exposure Limits

Section 9. Physical and Chemical Properties

Physical state @ 20°C Liquid. (Clear, colorless to slightly pale Solubility Not available.

yellow.)

1.29 (water=1)

Specific Gravity

Molecular Weight 163.51 Partition Coefficient Log Pow (oil/water) = 2.5

Boiling Point 122°C (251.6°F) Vapor Pressure 3.2 kPa (@ 20°C)

Melting Point Not available. Vapor Density >1 (Air = 1)

1.45 Volatility Not available.

Refractive Index

Acrylic.

Critical Temperature Not available. Odor

Viscosity Not available. Taste Not available.

Section 10. Stability and Reactivity Data

Stability

This material is stable if stored under proper conditions. (See Section VII for instructions)

Conditions of Instability Avoid excessive heat and light. Moisture sensitive. Store under inert gas.

Incompatibilities

Reactive with strong oxidizing agents, strong alkalis (bases), moisture.

Section 11. Toxicological Information

RTECS Number VV2160000

Eye Contact. Ingestion. Inhalation. Skin contact.

Routes of Exposure

Rat LC50(inhalation) 6800mg/m³/4H

Toxicity Data

CARCINOGENIC EFFECTS : Not available.

Chronic Toxic Effects

MUTAGENIC EFFECTS : Not available.

TERATOGENIC EFFECTS : Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or

prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.

Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes

Acute Toxic Effects

of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe

irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Harmful if ingested or inhaled.

Minimize exposure to this material. Severe overexposure can result in injury or death. Follow safe industrial hygiene

practices and always wear proper protective equipment when handling this compound.

Continued on Next Page

Chloromethyl(dichloro)methylsilane

Section 12. Ecological Information

Ecotoxicity Not available.

Not available.

Environmental Fate

Section 13. Disposal Considerations

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a

Waste Disposal

combustible solvent and burn in a chemical incinerator equipped with an afterburner and

scrubber system. Observe all federal, state and local regulations when disposing of the substance.

Section 14. Transport Information

DOT Classification DOT CLASS 3: Flammable liquid.

DOT Class 8: Corrosive material

PIN Number

Proper Shipping Name Chlorosilanes, flammable, corrosive, n.o.s.

Packing Group (PG) II

DOT Pictograms

Section 15. Other Regulatory Information and Pictograms

TSCA Chemical Inventory This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.

(EPA)

WHMIS Classification CLASS B-3: Combustible liquid with a flash point between 35°C (100°F) and 93.3°C (200°F).

CLASS E: Corrosive liquid.

(Canada)

On NDSL.

EINECS Number (EEC) 216-319-5

EEC Risk Statements R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

R34- Causes burns.

SECTION 16 - ADDITIONAL INFORMATION

N/A