

Dichloromethylvinylsilane 124-70-9 MSDS

Name:	Dichloromethylvinylsilane 97% Material Safety Data Sheet
Synonym:	Methylvinylidichlorosilane
CAS:	124-70-9

Section 1 - Chemical Product

MSDS Name:Dichloromethylvinylsilane 97% Material Safety Data Sheet

Synonym:Methylvinylidichlorosilane

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content
124-70-9	Dichloromethylvinylsilane	97

Hazard Symbols: F C

Risk Phrases: 11 14 34

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Highly flammable. Reacts violently with water. Causes burns.Corrosive.Water-reactive.

Potential Health Effects

Eye:

Causes eye burns. When substance becomes wet or comes in contact with moisture of the mucous membranes, it will cause irritation. May cause chemical conjunctivitis and corneal damage.

Skin:

Causes skin burns. Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. May cause cyanosis of the extremities. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.

Ingestion:

May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. May cause perforation of the digestive tract. Ingestion of large amounts may cause CNS depression. May cause systemic effects.

Inhalation:

Causes chemical burns to the respiratory tract. Aspiration may lead to pulmonary edema. Vapors may cause dizziness or suffocation. May cause systemic effects. May cause burning sensation in the chest.

Chronic:

Effects may be delayed.

Section 4 - FIRST AID MEASURES

Eyes: Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed. Extensive irrigation with water is required (at least 30 minutes).

Skin:

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

If water-reactive products are embedded in the skin, no water should be applied. The embedded products should be covered with a light oil.

Ingestion:

Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

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. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

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. Reacts violently with water giving off flammable gas which may explode. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Water Reactive. Material will react with water and may release a flammable and/or toxic gas. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. May ignite or explode on contact with steam or moist air. May re-ignite after fire is extinguished.

Extinguishing Media:

Do NOT use water directly on fire. Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER! Do NOT get water inside containers.

Contact professional fire-fighters immediately. Cool containers with flooding quantities of water until well after fire is out.

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. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. Do not expose spill to water. A vapor suppressing foam may be used to reduce vapors.

Section 7 - HANDLING and STORAGE

Handling:

Use only in a well-ventilated area. Do not allow water to get into the container because of violent reaction. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not allow contact with water. Discard contaminated shoes. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Keep from contact with moist air and steam.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Keep container closed when not in use. Keep away from water. Refrigerator/flammables.

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. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits CAS# 124-70-9: Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

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 brown

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 92 deg C @ 760.00mm Hg

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: 4 deg C (39.20 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: reacts

Specific Gravity/Density: 1.0800g/cm³

Molecular Formula: C₃H₆Cl₂Si

Molecular Weight: 141.07

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures. Combines vigorously or explosively with water.

Conditions to Avoid:

Incompatible materials, ignition sources, excess heat, strong oxidants, exposure to moist air or water.

Incompatibilities with Other Materials:

Water.

Hazardous Decomposition Products:

Hydrogen chloride, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, silicon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 124-70-9: VV3533000 LD50/LC50:

Not available.

Carcinogenicity:

Dichloromethylvinylsilane - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

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

Section 14 - TRANSPORT INFORMATION

IATA

Shipping Name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.*

Hazard Class: 3 (8)

UN Number: 2924

Packing Group: II

IMO

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

Hazard Class: 3.2 (8)

UN Number: 2924

Packing Group: II

RID/ADR

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

Hazard Class: 3

UN Number: 2924

Packing group: II

Section 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F C

Risk Phrases:

R 11 Highly flammable.

R 14 Reacts violently with water.

R 34 Causes burns.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

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 28A After contact with skin, wash immediately with plenty of water.

S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

CAS# 124-70-9: No information available.

Canada

CAS# 124-70-9 is listed on Canada's DSL List.

CAS# 124-70-9 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 124-70-9 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

N/A