



Safety Data Sheet

Dimethyldichlorosilane

Section 1. Identification

Product Identifier Dimethyldichlorosilane

Synonyms D5550

Manufacturer Stock Numbers N/A

Product Cas 75-78-5

Recommended use N/A

Uses advised against N/A

Manufacturer Contact

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Section 2. Hazards Identification

Classification ACUTE TOXICITY - ORAL - Category 4
EYE DAMAGE/IRRITATION - Category 1
FLAMMABLE LIQUIDS - Category 2
SKIN CORROSION/IRRITATION - Category 1A
SPECIFIC TARGET ORGAN TOXICITY (Single E - Category 3)

Signal Word Danger

Pictogram



Hazard Statements

Causes serious eye damage
Causes severe skin burns and eye damage
Harmful if swallowed
Highly flammable liquid and vapor
May cause respiratory irritation; or May cause drowsiness or dizziness

Precautionary Statements

Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Rinse mouth.
Wash contaminated clothing before reuse.

Prevention

Do not eat, drink or smoke when using this product.
Keep away from heat.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use only non-sparking tools.
Use only outdoors or in a well-ventilated area.

Storage

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal

N/A

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
75-78-5	Dimethyldichlorosilane	Unknown

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Eye	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin	Scrub with soap and water. Remove contaminated clothing and shoes.
Ingestion	Give one full cup of milk or water to dilute ingested material. Get medical attention.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Acute Effects	Liquid and vapors react with moisture on the skin, eyes and mucous membranes to release hydrogen chloride (corrosive). Prolonged or repeated exposure and/or high concentrations of vapors will produce chemical burns and destruction of affected tissues. Respirable vapors or mist are irritating to the upper respiratory tract and bronchi. Inhalation may be fatal as a result of spasm, inflammation and edema of the lungs or larynx. Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material. If ingested, this material may cause severe burns of the mouth, pharynx, esophagus and stomach.
Comments	If symptoms persist, get medical attention. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Alcohol foam, dry chemical, CO2 Firefighters must wear positive pressure, self-contained breathing apparatus and full protective clothing
Unsuitable Extinguishing Media	N/A

Section 6. Accidental Release Measures

Spill	Evacuate spill area of non-essential personnel. Ventilate the spill area. Cover liquid completely (smother) with dry Sodium Bicarbonate and blanket spill area with inert gas. Place spill material in dry, lined waste container before transporting for disposal. Keep all source of ignition away from spill area until clean-up is complete.
General Procedure	Absorb spill material with suitable chemical binder. Shovel absorbent into suitable waste container. Do not wash into sewer or soil, groundwater or surface water.

Section 7. Handling and Storage

Handling Storage	Ground and bond containers when transferring material. Store in a cool and dry place. Maintain nitrogen blanket and tightly closed container. Protect from moisture. Protect from heat, direct sunlight and source of ignition. Store away from acidic, alkaline, and oxidizing materials.
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Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Dimethyldichlorosilane	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Face Shield			
Engineering controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment.			
Respiratory Protection	Mechanical ventilation recommended. In case of exposure, use appropriate NIOSH approved respiratory protection.			
Work Hygienic Practices	General industrial hygiene practice			
Comments	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment, in accordance with the OSHA PPE Standard (29 CFR 1910.132), be conducted before using this product.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	Sharp acid-like odor
Odor Threshold	N/A
Solubility	Reacts/Decomposes in water
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	-3C
FP Method	Closed Cup
Ph	N/A
Melting Point	-76C
Boiling Point	70C/760mm
Boiling Range	N/A
LEL	3.4
UEL	9.5
Evaporation Rate	3.3
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	135 @ 25C
Vapor Density	4.400

Section 10. Stability and Reactivity

Stability	(UNDER NORMAL CONDITIONS) Stable under ordinary conditions of use and storage
Polymerization	Hazardous polymerization will not occur
Incompatible Materials	Avoid water and alcohols
Hazardous Decomposition	Generates Hydrogen Chloride; TLV = C5ppm.
Hazardous Reactions	Avoid contact with lewis acids such as iron trichloride or aluminum trichloride unless under carefully controlled reaction conditions and allow for the formation of gaseous products.
General	DANGER: Polymerization is accompanied by generation of large volumes of hydrogen chloride gas (corrosive) that may result in a violent release of pressure and heat if reaction occurs in confined space.

Section 11. Toxicological Information

Carcinogen	No componenets of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP or OSHA
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Section 12. Ecological Information

No	No information is available
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Section 13. Disposal

Disposal	Incineration is recommended. Treat or dispose of waste material in accordance to all local, state/provincial and national/federal requirements. Containers of this material may be hazardous when empty since they retain product residues (liquid). Observe all warnings and precautions for this material.
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Section 14. Transport Information

UN Number	1162
UN Proper Shipping Name	Dimethyldichlorosilane
DOT Classification	3
Packing Group	II

Section 15. Regulatory Information

This product is listed on the TSCA inventory

Section 16. Other Information

Revision Date

2/1/2016

Manufacturer Disclaimer

The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

Manufacturer Supplemental Notes

All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Statement

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