



Safety Data Sheet

Dimethylchlorosilane

Section 1. Identification

Product Identifier Dimethylchlorosilane
Synonyms N/A
Manufacturer Stock Numbers D5470
Product Cas 1066-35-9

Recommended use N/A
Uses advised against N/A

Manufacturer Contact

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Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 1
FLAMMABLE LIQUIDS - Category 2
SKIN CORROSION/IRRITATION - Category 1B
SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT
FLAMMABLE GASES - Category 1

Signal Word Danger

Pictogram



Hazard Statements

Causes serious eye damage
Causes severe skin burns and eye damage
Highly flammable liquid and vapor
In contact with water releases flammable gases, which may ignite spontaneously

Precautionary Statements

Response

Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
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.
Wash contaminated clothing before reuse.

Prevention

Do not allow contact with water.
Handle under inert gas. Protect from moisture.
Keep away from heat.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use only non-sparking tools.

Storage

Store in a dry place. Store in a closed container.
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 %
1066-35-9	Dimethylchlorosilane	Unknown

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

Section 4. First-Aid Measures

General	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area
Eye	Flush eyes with water for 15 minutes. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
Ingestion	DO NOT INDUCE VOMITING. 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.
Clean-up	Wear appropriate personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a shovel to put the spilled solid in a convenient waste disposal container. Ventilate the spilled area.

Section 7. Handling and Storage

Handling	Ground and bond containers when transferring material.
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Storage

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.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Dimethylchlorosilane	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.			
Eye and Face	Use chemical goggles			
Skin	Use impervious gloves. Use impervious clothing as necessary to protect against skin contact			
Respiratory	Maintain adequate ventilation. 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	N/A
Odor Threshold	N/A
Solubility	Reacts
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	0.85
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	-25C/-13F
FP Method	closed cup
pH	N/A
Melting Point	N/A
Boiling Point	36C / 760mm
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A

Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A

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	Oxidizing agents, alkali, acids 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.

Section 11. Toxicological Information

Carcinogenicity	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.</p> <p>OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.</p>
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Section 12. Ecological Information

Environmental Data	No information available
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Section 13. Disposal

Method	Incineration recommended. Follow all federal, state and local regulations
Empty Container	Containers of this material may be hazardous when empty since they retain product residues (liquids). Observe all warnings and precautions listed for this product.
Comments	<p>It is recommended that waste generators determine whether a discarded chemical is classified as a hazardous waste.</p> <p>Additionally, waste generators must consult with their waste broker and state and local hazardous waste regulations to insure complete and accurate classification.</p> <p>Although not a listed RCRA hazardous waste, this material may exhibit one or</p>

more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements.
US EPA guidelines for classification determination are listed on 40CFR Parts 261.3

Section 14. Transport Information

UN Number 2988
UN Proper Shipping Name Chlorosilanes, water reactive, Flammable, Corrosive, n.o.s.
DOT Classification 4.3
Packing Group I

Section 15. Regulatory Information

TSCA United States
TSCA (Toxic Substance Control Act)
Status: This product is listed on the TSCA inventory

Section 16. Other Information

Revision Date 4/11/2016

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

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