

**MATERIAL SAFETY
DATA SHEET**

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NAME USED ON LABEL: 3-CHLOROPROPYLMETHYLDICHLOROSILANE
CHEMICAL NAME: 3-CHLOROPROPYLMETHYLDICHLOROSILANE
SYNONYMS: 3-METHYLDICHLOROSILYL-1-CHLOROPROPANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C₃H₆Cl₄Si
HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 2

INGREDIENTS

IDENTITY

3-CHLOROPROPYLMETHYLDICHLOROSILANE

CAS NO.	%	TLV
7787-93-1	>95	not determined

(ceiling for HCl: 5ppm)

OTHER ORGANOSILANES <5 not determined

PHYSICAL DATA

Boiling Point: 68-70° at 15mm	Freezing Point: <0°C
Specific Gravity: 1.204	Vapor Pressure at 25°C: <5mm
Vapor Density (air=1): >1	Solubility in water: reacts
% volatiles: NA	Evaporation rate: NA
Molecular Weight: 191.56	Other: NA
Appearance & Color: Clear to straw liquid with acrid odor	

FIRE & EXPLOSION DATA

Flash Point, COC: 86°C (187°F) Autoignition Temp.: not determined
Flammability Limits: not determined
Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes of hydrochloric acid and organic acid vapors may develop when material is exposed to water or open flame.

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.
Recommended Disposal: Hydrolyze material by mixing with water in a hood.
Aqueous layer contains hydrochloric acid which should be neutralized. Organic layer may be incinerated. Alternately, absorb onto clay or vermiculite and dispose

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Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: Not determined.

Chronic Toxicity: There are no known chronic effects related to this compound.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers stored under a dry inert atmosphere.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating hydrogen chloride. Avoid contact with alcohols, amines, oxidizers.

Hazardous decomposition products: Organic acid vapors, hydrogen chloride.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid gas respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHLOROSILANES, N.O.S.

(3-CHLOROPROPYLMETHYLDICHLOROSILANE)

DOT HAZARD CLASS: 8

DOT LABEL: CORROSIVE

DOT ID No: UN 2987 PG: II ERG: 60

The information contained in this document has been gathered from reference materials and/or

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