

**MATERIAL SAFETY
DATA SHEET**

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NAME USED ON LABEL: **PHENYLMETHYLDICHLOROSILANE**
CHEMICAL NAME: PHENYLMETHYLDICHLOROSILANE
SYNONYMS: METHYLPHENYLDICHLOROSILANE
CHEMICAL FAMILY: ORGANOSILANE
CHEMICAL FORMULA: C₇H₈Cl₂Si
HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV OSHA PEL
PHENYLMETHYLDICHLOROSILANE (OSHA PEL for hydrogen chloride, TWA: 5ppm)	149-74-6	>95	not established

PHYSICAL DATA

Boiling Point: 205-6°	Melting Point: -53°C
Specific Gravity: 1.19	Vapor Pressure, 82°C: 12mm
Vapor Density (air = 1): >1	Solubility in water: insoluble, reacts
% volatiles: N/A	Evaporation rate: NA
Molecular Weight: 191.13	Other: NA
Appearance & Color: Clear liquid with acrid odor of hydrogen chloride	

FIRE & EXPLOSION DATA

Flash Point, COC: 82°C (180°F) Autoignition Temp.: not determined
Flammability Limits: not determined
Extinguishing Media: Water spray or fog, 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 and organic acid vapors may develop when material is exposed to elevated temperatures 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 of absorbent material as solid waste.
Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

- 1 -

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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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
Inhalation Toxicity: not determined
TOXICITY- ipr mus, LD50: 300mg/kg

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. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers under dry inert atmosphere.

Conditions to avoid: Store away from alkalis, oxidizers, metal salts, precious metals.

Hazardous decomposition products: Hydrogen, hydrogen chloride, organic acid vapors and silicon dioxide.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved organic vapor 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: METHYLPHENYLDICHLOROSILANE

DOT HAZARD CLASS: 8

DOT LABEL: CORROSIVE

DOT ID NO: UN2437 PG II

The information contained in this document has been gathered from reference materials and/or Sibond test data and is to the best knowledge and belief of Sibond accurate and reliable. Such

- 2 -

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- 3-

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