

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: Di(2-ethylhexyl)dichlorosilane
Synonyms: Dichloro-bis(2-ethylhexyl)silane
Company Identification: PI Chemicals Ltd.
Building B, 633 E Shan Road, Pudong New Area
Shanghai 200127, China
Telephone Number: 86-21-58953700
Fax Number: 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-35817
CAS Number: 1089687-03-5
MDL Number: Not available
EC Number: Not available
Purity: 90%

Section 3 - Physical and Chemical Properties

Physical state: oily liquid
Color: colorless to light yellow
Odor: Not determined
Molecular Formula: C₁₆H₃₄Cl₂Si
Molecular Weight: 325.43
Freezing/Melting Point: Not determined
Boiling Point: Not determined
Flash Point: Not determined
Autoignition Temperature: Not determined
Refractive Index (n_{D20}): Not determined
Density: Not determined
Decomposition Temperature: Not determined
Solubility: Not determined

Section 4 - Hazards Identification

Eye: Causes serious eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for several minutes. Get medical aid.

Skin: Flush skin with plenty of water and soap for several and rinse thoroughly.
Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If required, give artificial respiration. Get medical aid if symptoms persist.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended temperatures and pressures.

Materials to avoid: Oxidizing agents.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbondioxide, Carbonmonoxide, Silicon oxides, hydrogen chloride.

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Store in cool, dry conditions in well sealed container. Keep container tightly sealed.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 – Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

Extinguishing Media: Use CO₂, extinguishing powder.

Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 1089687-03-5: Not available.
LD50/LC50: RTECS: Not available.
Carcinogenicity: Di(2-ethylhexyl)dichlorosilane - Not listed as a carcinogen by ACGIH, IARC, NTP, OSHA or EPA..

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: Not available.
IMO: Not available.
RID/ADR: Not available.

Section 15 - Regulatory Information

European/International Regulations

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37: Wear suitable gloves.

US Federal

TSCA

CAS# 1089687-03-5 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: Nov 22, 2011

Update: Nov 22, 2011

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