

化 学 品 安 全 技 术 说 明 书

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MSDS标题

VINYLTRICHLOROSILANE MSDS报告

产品标题

三氯乙烯基硅烷; (十三氟-1, 1, 2, 2-四氢辛基)-1-三氯硅烷

CAS号

75-94-5

化学品及企业标识

PRODUCT NAME

VINYLTRICHLOROSILANE

NFPA

Flammability	4
Toxicity	2
Body Contact	4
Reactivity	2
Chronic	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

PRODUCT USE

Intermediate in the production of silicon polymers, coupling agent for adhesives and bonds.

SYNONYMS

C₂H₃Cl₃Si, Cl₃SiCH=CH₂, "silane, trichlorovinyl-", "silane, vinyl trichloro A-150", trichloro(vinyl)silane, (trichlorosilyl)ethylene, "trichlorovinyl silicane", "vinylsilicon trichloride", "vinyl trichlorosilane", "silae, trichloroethenyl-", "Union Carbide A-150", "silylating agent"

CANADIAN WHMIS SYMBOLS

None

EMERGENCY OVERVIEW

RISK

Heating may cause an explosion.
Reacts violently with water.
Causes severe burns.
Risk of serious damage to eyes.
Harmful in contact with skin and if swallowed.
Highly flammable.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion. Exposure can cause necrosis of the esophagus and stomach with nausea, vomiting, diarrhea, circulatory collapse and death.

EYE

The material can produce severe chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

SKIN

Skin contact with the material may be harmful; systemic effects may result following absorption. The material can produce severe chemical burns following direct contact with the skin. Open cuts, abraded or irritated skin

should not be exposed to this material. Toxic effects may result from skin absorption. The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration.

INHALED

If inhaled, this material can irritate the throat and lungs of some persons. Inhalation of vapor may aggravate a pre-existing respiratory condition. Inhalation of quantities of liquid mist may be extremely hazardous, even lethal due to spasm, extreme irritation of larynx and bronchi, chemical pneumonitis and pulmonary edema.

CHRONIC HEALTH EFFECTS

Principal routes of exposure are by accidental skin and eye contact and by inhalation of vapors especially at higher temperatures. No human exposure data available. For this reason health effects described are based on experience with chemically related materials. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.