CHLOROSILANE(13445-78-6)

CHLOROSILANE Suppliers list
Company: Meryer (Shanghai) Chemical Technology Co., Ltd.
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CHLOROSILANE Basic information
Name: CHLOROSILANE
Synonyms: Chlorosilanes, organosilanes, trimethylchlorosilane, silicone, organosilicon, organosilicones, organosilicones, with reactive or volatile SiCl₃;
CAS: 13445-78-6
MW: 66.56
EINECS: 236-705-7
Product Categories:

CHLOROSILANE Chemical Properties
mp: -118° C
bp: 30-4°C
density: 1.145 g/cm³

Safety Information
TSCA: No

MSDS Information

CHLOROSILANE Usage And Synthesis
Chlorosilanes are a class of liquids that range in color from clear colorless to light yellow colored. A clear to light yellow liquid. Slightly more dense than water. Contact may burn skin, eyes and mucous membranes. May be toxic by ingestion, inhalation, and skin absorption. Used to make other chemicals.

Air & Water Reactions
Highly flammable. Based on the properties of similar materials, there is the possibility that the reaction of CHLOROSILANE with water may be vigorous or violent. Products of the reaction include hydrogen chloride. The reaction generates heat and this heat may be sufficient to ignite the product. The chlorosilicon hydrides(OHCl₃) are spontaneously flammable in air, NFPA 1991.

Reactivity Profile
Chlorosilanes are compounds in silicon which is bonded to from one to four chlorine atoms with other bonds to hydrogen and/or alkyl groups. Chlorosilanes react with water, moist air, or steam to produce heat and toxic, corrosive fumes of hydrogen chloride. They may also produce flammable gaseous gH₃. They can serve as chlorination agents. Chlorosilane react vigorously with both organic and inorganic acids and with bases to generate toxic or flammable gases.

Health Hazard
Highly toxic; contact with water produces toxic gas, may be fatal if inhaled. Inhalation or contact with vapors, substance or decomposition products may cause severe injury or death. May produce corrosive solutions on contact with water. Fire will produce irritating, corrosive and/or toxic gases. Runoff from fire control may cause pollution.

Fire Hazard
Produce flammable and toxic gases on contact with water or moist air. Some react vigorously or explosively on contact with water. May be ignited by heat. Flammable in highly flammable liquids. Containers may explode when heated. Runoff may create fire or explosion hazard.

CHLOROSILANE Preparation Products And Raw materials
Tag: CHLOROSILANE(13445-78-6) Related Product Information
 Dichloromethylphenylsilane Ethylchloroethylsilane