

Common Name: ALLYL TRICHLOROSILANE

Synonyms: Allylsilicone Trichloride CAS No: 107-37-9 Molecular Formula: C₃H₅Cl₃Si RTK Substance No: 0047 Description: Colorless liquid with a pungent and irritating odo

HAZARD DATA				
Hazard Rating	Firefighting			Reactivity
3 - HealthUse dry chemical, CO2 or dry sand DO NOT USE WATER or FOAM of Reignition may occur as Allyl Tric difficult to extinguish.2 ₩ - ReactivityDO NOT USE WATER or FOAM of Reignition may occur as Allyl Tric difficult to extinguish.DOT#: UN 1724 (Stabilized)POISONOUS GASES ARE PROD including Hydrogen Chlorides, Ph Silicon Dioxide.ERG Guide #: 155 (page 258)CONTAINERS MAY EXPLODE IN Use water spray to keep fire-expose DO NOT get water inside contained Vapors may travel to a source of ig back.Hazard Class: 8 (Corrosive)DO NOT get water inside contained Vapor is heavier than air and may cause a fire or explosion far from Allyd Trichlerseilane		nd to l on r ichlo DDUC Phose ners. i ignit y tra n the	extinguish fire. material itself. prosilane is CED IN FIRE, <i>gene</i> and IRE. d containers cool. tion and flash wel a distance to e source.	Allyl Trichlorosilane reacts with WATER, MOIST AIR or STEAM to produce toxic and corrosive <i>Hydrogen Chloride gas</i> and flammable and explosive <i>Hydrogen gas</i> . Allyl Trichlorosilane is not compatible with ORGANIC ACIDS; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ALCOHOLS; AMINES; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); AMMONIA; ALDEHYDES; KETONES; and METALS.
SPILL/LEAKS			F	PHYSICAL PROPERTIES
Isolation Distance: Small Spills - 30 meters (100 feet) Large Spills - 180 meters (600 feet) Cover and neutralize spill with crushed limestone, soda ash, lime or cement powder. Keep out of sewers to prevent explosions.			Odor Threshold: Flash Point: LEL: UEL: Vapor Density: Vapor Pressure: Specific Gravity: Water Solubility: Boiling Point:	Pungent $95^{\circ}F(35^{\circ}C)$ No Information No Information 6.05 (air = 1) 10 mm Hg at $61^{\circ}F(16^{\circ}C)$ 1.2 Reactive $241^{\circ}F(116^{\circ}C)$
EXPOSURE LIMITS			PROTECTIVE EQUIPMENT	
OSHA, NIOSH and ACGIH EPA Acute Exposure Guideline Levels: (AEGLs)	 No occupational exposure limits established AEGL1 = 0.60 ppm (8-hr) AEGL2 = 3.7 ppm (8-hr) AEGL3 = 8.7 ppm (8-hr) AEGL3 = 210 ppm (10 min) 		Gloves: V Coveralls: D li Boots: N Respirator: >	iton® for Organosilicon compounds PuPont Tychem® Responder®, CSM, and TK (for heavy iquid chemicals which are toxic and corrosive) Io Information 1 ppm - Supplied Air
HEALTH EFFECTS			FIRST AID AND DECONTAMINATION	
Eyes:Irritation and burnsSkin:Irritation and burnsInhalation:Nose, throat and lung irritation with coughing and severe shortness of breath (pulmonary edema)Chronic:No information			 Remove the person from exposure. Flush eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention immediately. Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water. Seek medical attention immediately. Begin artificial respiration if breathing has stopped and CPR if necessary. Transfer to a medical facility. Medical observation is recommended as symptoms may be delayed. 	