

Common Name: ACETONITRILE

Synonyms: Methyl Cyanide; Cyanomethane CAS No: 75-05-8 Molecular Formula: C₂H₃N RTK Substance No: 0008

0...... - Kanalahan di karan **F**ukaan Kina

Description: Color	less liquid with an <i>Ether</i> -like	odo	or		
HAZARD DATA					
Hazard Rating	Firefighting			Reactivity	
2 - HealthFLAMMABLE LIQUID3 - FireUse dry chemical, CO2, alcohol-r extinguishing agents, as water n effective in fighting fires.0 - Reactivityeffective in fighting fires.DOT#: UN 1648POISONOUS GASES ARE PRO FIRE, including Hydrogen Cyan.ERG Guide #: 127CONTAINERS MAY EXPLODEHazard Class: 3 (Flammable)Use water spray to keep fire-exp cool.Vapors may travel to a source of flash back.		resist may r DDUC <i>ide</i> . IN FI osed	tant foam as not be CED IN RE. I containers tion and	Acetonitrile reacts violently with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE). Acetonitrile is not compatible with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); REDUCING AGENTS (such as LITHIUM, SODIUM, ALUMINUM and their HYDRIDES); ALKALI METALS (such as POTASSIUM); NITRATING AGENTS; IRON SALTS of PERCHLORATE; NITROGEN-FLUORINE COMPOUNDS; CHLOROSULFONIC ACID; INDIUM; PERFLUOROUREA; and SULFUR and NITROGEN TRIOXIDES. May react with WATER, MOISTURE and STEAM to form toxic and flammable vapors.	
SPILL/LEAKS				PHYSICAL PROPERTIES	
Isolation Distance: Small Spills: 50 meters (150 feet) Large Spills: 300 meters (1,000 feet) Fire: 800 meters (1/2 mile) Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers. Keep Acetonitrile out of confined spaces, such as sewers, because of the possibility of an explosion. May be toxic to aquatic life at high levels.			Odor Thres Flash Point LEL: UEL: Auto Ignitio Vapor Dens Vapor Press Specific Gra Water Solul Boiling Poin Ionization P Molecular V	hold: n Temp: ity: sure: avity: pility: nt: votential: Veight:	98 ppm 42°F (6°C) 3% 16% 975°F (524°C) 1.42 (air = 1) 73 mm Hg at 68°F (20°C) 0.78 (water = 1) Miscible 179°F (82°C) 12.2 eV 41.1
EXPOSURE LIMITS			PROTECTIVE EQUIPMENT Gloves: Butyl, Silver Shield®/4H® and Viton/Butyl (>8-hr breakthrough) Coveralls: DuPont CPF 4, BR, LV, Responder®, CSM and TK; Kappler® Zytron® 500; and Saint-Gobain ONESuit® TE (>8-hr breakthrough) Respirator: >13 ppm - Supplied air		
OSHA: 40 ppm, 8-hr TWA NIOSH: 20 ppm, 10-hr TWA ACGIH: 20 ppm, 8-hr TWA IDLH: 500 ppm The 60-minute Protective Action Criteria values are: PAC-1 = 13 ppm PAC-2 = 50 ppm PAC-3 = 150 ppm					Silver Shield®/4H® and Viton/Butyl (>8-hr nrough) t CPF 4, BR, LV, Responder®, CSM and TK; r® Zytron® 500; and Saint-Gobain ONESuit® TEC breakthrough) m - Supplied air
HEALTH EFFECTS			FIRST AID AND DECONTAMINATION		
Eyes:IrritationSkin:IrritationInhalation:Nose, throat and lung irritationFlushing of the face, chest tightness, headache, nausea and vomiting, weakness and shortness of breath			 Remove the person from exposure. Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn, while rinsing. Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water. Seek medical attention. Begin artificial respiration if breathing has stopped and CPR if necessary. Transfer to a medical facility. Use Amyl Nitrite capsules if symptoms develop. 		