

Section 1 Identification	
Product Number:	A1521
Product Name:	Acetonitrile (Methyl Cyanide) HPLC Grade
Trade/Chemical Synonyms:	
Formula:	CH3CN
RTECS:	AL7700000
C.A.S	CAS# 75-05-8
Health:	2
Flammability:	3
Reactivity:	0
Hazard Rating:	Least Slight Moderate High Extreme 0 1 2 3 4
	NA = Not Applicable NE = Not Established

Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input checked="" type="checkbox"/>	Acetonitrile (Methyl Cyanide)	CAS# 75-05-8	100%	V/V	OSHA TWA 40 ppm (70 mg/m <sup>3</sup> )

**Section 3 Hazard Identification (Also see section 11)**  
 Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**Section 4 First Aid Measures**  
 Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.  
**FIRST AID: SKIN:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention  
**EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen  
**INGESTION:** If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

**Section 5 Fire Fighting Measures**

Fire Extinguisher Type:	Carbon Dioxide, dry chemical powder or appropriate foam
Fire/Explosion Hazards:	Vapor may travel considerable distance to source of ignition and flash back.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**Section 6 Accidental Release Measures**  
 Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

**Section 7 Handling and Storage**  
 Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

**Section 8 Exposure Controls & Personal Protection**  
 Respiratory Protection: NIOSH/MSHA-approved respirator  
 Mechanical:  Hand Gloves to prevent skin exposure as Protection: rubber or vinyl  
 Ventilation: Local Exhaust:  Eye Protection: Splash Goggles

**Other Protective Equipment:** Wear appropriate clothing to prevent skin exposure

**Section 9 Physical and Chemical Properties**

Melting Point:	-46°C (-51°F)	Specific Gravity:	0.7875 g/cm <sup>3</sup>
Boiling Point:	82° C (180°F)	Percent Volatile by Volume:	>99%
Vapor Pressure:	73 mm Hg @ 20° C	Evaporation Rate:	2.79
Vapor Density:	1.41 (air = 1)	Evaporation Standard:	
Solubility in Water:	Soluble	Auto ignition Temperature:	N/E
Appearance and Odor:	Colorless liquid / sweet ether-like odor	Lower Flamm. Limit in Air:	3%
Flash Point:	6° C (43°F)	Upper Flamm. Limit in Air:	16%

**Section 10 Stability and Reactivity Information**  
 Stability: Stable Conditions to Avoid: May become unstable at elevated temperatures  
 Materials to Avoid: Oxidizing agents, metals, bases, amines.  
 Hazardous Decomposition Products: Thermal decomposition: toxic hydrogen cyanide  
 Hazardous Polymerization: May Occur  
 Condition to Avoid: Polymerization is suspected.

**Section 11 Additional Information**  
 DOT Classification: Methyl Cyanide, 3, UN1648, PG II  
 DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.  
 Revision No: 1.1 Date Entered: 3/4/2009 Approved by: WPF

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