## CYANOACETIC ACID

	CAUTIONARY RESP	ONSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms         Liquid           Cyanacetic acid Malonic mononitrile         Sinks and mixes w           Keep people away. Avoid inhalation.         Sinks and mixes w           Shut off ignition sources. Call fire departmen Avoid contact with liquid and vapor. Notify local health and pollution control agenc Protect water intakes.		nt.	<ul> <li>4.1 Flash Point: Not pertinent</li> <li>4.2 Flammable Limits in Air: Not pertinent</li> <li>4.3 Fire Extinguishing Agents: Water, foam, dry chemical, carbon dioxide</li> <li>4.4 Fire Extinguishing Agents Not to Be Used: Currently not available</li> <li>4.5 Special Hazards of Combustion Products: Toxic oxides of nitrogen and toxic and flammable acetonitrile vapors may form in fire.</li> </ul>	7.1 Grades of Purity: 98+% 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 INO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS		
Fire	Combustible. POISONOUS GASES MAY BE Extinguish with water, dry chem		<ul> <li>4.6 Behavior in Fire: Currently not available</li> <li>4.7 Auto Ignition Temperature: Not pertinent</li> <li>4.8 Electrical Hazards: Not pertinent</li> </ul>	8.1 49 CFR Category: Not listed 8.2 49 CFR Class: Not pertinent 8.3 49 CFR Package Group: Not listed.		
Exposure	CALL FOR MEDICAL AID. VAPOR Irritating to eyes, nose and thro Harmful if inhaled. If in eyes, hold eyelids open an if breathing has stopped, give a if breathing is difficult, give oxy LIQUID Irritating to skin and eyes. Harmful if swallowed. Remove contaminated clothing	d flush with plenty of water. ntificial respiration. gen. and shoes.	<ul> <li>4.9 Burning Rate: Not pertinent</li> <li>4.10 Adiabatic Flame Temperature: Currently not available</li> <li>4.11 Stoichometric Air to Fuel Ratio: Not pertinent</li> <li>4.12 Flame Temperature: Currently not available</li> <li>4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent</li> <li>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</li> <li>5. CHEMICAL REACTIVITY</li> </ul>	8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue) 0 3 Flammability (Red) 0 0 8.6 EPA Reportable Quantity: Not listed. 8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed		
Water Pollution	IF SWALLOWED and victim is do nothing except keep victim w	and flush with plenty of water. CONSCIOUS, have victim drink water or milk. UNCONSCIOUS OR HAVING CONVULSIONS, varm. N VERY LOW CONCENTRATIONS. rater intakes.	<ol> <li>5.1 Reactivity with Water: No reaction</li> <li>5.2 Reactivity with Common Materials: Currently not available</li> <li>5.3 Stability During Transport: Stable</li> <li>5.4 Neutralizing Agents for Acids and Caustics: Not pertinent</li> <li>5.5 Polymerization: Not pertinent</li> <li>5.6 Inhibitor of Polymerization: Not pertinent</li> </ol>	<ol> <li>9. PHYSICAL &amp; CHEMICAL PROPERTIES</li> <li>9.1 Physical State at 15° C and 1 atm: Solid</li> <li>9.2 Molecular Weight: 85.06</li> <li>9.3 Boiling Point at 1 atm: Not pertinent (decomposes)</li> <li>9.4 Freezing Point: 151°F = 66°C = 339°K</li> <li>9.5 Critical Temperature: Not pertinent</li> </ol>		
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge Do not burn       2. CHEMICAL DESIGNATIONS         2.1 CG Compatibility Group: Not listed.       2.2 Formula: CNCH-COOH         2.3 IMOUN Designation: Not listed       2.4 DOT ID No.; 1935         2.6 CAS Registry No.: 372-09-8       2.6 NAERG Guide No.; 157         2.7 Standard Industrial Trade Classification: 51484       51484         3.1 Personal Protective Equipment: Dust mask; goggles or face shield; rubber gloves       3.2 Symptoms Following Exposure: Contact irritates eyes and may irritate skin.         3.3 Treatment of Exposure: INHALATION: move to fresh air. INGESTION: give large amounts of water; get medical attention. EYES: flush with water for at least 15 min. SKIN: flush with water.         3.4 TLV-TWA: Not listed.       3.5 TLV-STEL: Not listed.			<ol> <li>WATER POLLUTION</li> <li>Aquatic Toxicity: Currently not available</li> <li>Waterfowl Toxicity: Currently not available</li> <li>Biological Oxygen Demand (BOD): Currently not available</li> <li>Food Chain Concentration Potential: None</li> <li>GESAMP Hazard Profile: Not listed</li> </ol>	<ul> <li>9.6 Critical Pressure: Not pertinent</li> <li>9.7 Specific Gravity: &gt; 1.1 at 20°C (solid)</li> <li>9.8 Liquid Surface Tension: Not pertinent</li> <li>9.9 Liquid Water Interfacial Tension: Not pertinent</li> <li>9.10 Vapor (Gas) Specific Gravity: Not pertinent</li> <li>9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent</li> <li>9.12 Latent Heat of Vaporization: Not pertinent</li> <li>9.13 Heat of Combustion: -6.300 Btulb = -3,500 cal/g = -146 X 10° J/kg</li> <li>9.14 Heat of Decomposition: Not pertinent</li> <li>9.15 Heat of Fusion: Currently not available</li> <li>9.18 Limiting Value: Currently not available</li> <li>9.19 Reid Vapor Pressure: Currently not available</li> </ul>		
3.8 Toxicity by Inha 3.9 Chronic Toxici 3.10 Vapor (Gas) In 3.11 Liquid or Solid	VA: Not listed. EL: Not listed. iling: Not listed.		NOT			

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	P E R T I N E N T		P E R T I N E N T		P E R T I N E N T		P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	or water M I S C I E E		N O T E R T I N E N T		N O T E R T I N E N T		pound-F