## PROPIONITRILE

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(	CAUTIONARY RESP	ONSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Syno Cyanoethane Ether cyanatus Ethylcyanide Hydrocyanic ether Propanenitrile Propionic nitrile	nyms Liquid Floats on water.	Colorless I	Ethereal odor	<ol> <li>Flash Point: 36°F C.C.</li> <li>Flammable Limits in Air: LEL 3.1%</li> <li>Fire Extinguishing Agents: Water spray or mist, foam, CO<sub>2</sub>, dry chemical.</li> <li>Fire Extinguishing Agents Not to Be Used: Not pertinent</li> <li>Special Hazards of Combustion Products: Toxic fumes of CN and NO<sub>x</sub></li> </ol>	<ul> <li>7.1 Grades of Purity: Currently not available</li> <li>7.2 Storage Temperature: Currently not available</li> <li>7.3 Inert Atmosphere: Currently not available</li> <li>7.4 Venting: Currently not available</li> <li>7.5 IMO Pollution Category: C</li> <li>7.6 Ship Type: 2</li> <li>7.7 Barge Hull Type: Currently not available</li> </ul>
KEEP PEO EVACUATE Shut off all Wear posit Notify local Protect wat	PLE AWAY. AVOID CONTACT W AREA. sources of ignition, call fire depart ive pressure breathing apparatus health and pollution control agenc ter intakes. FLAMMABLE. Vapors may travel to a source of	/ITH LIQUID OR VAPOR. ment. and special protective clothing. ies.		<ul> <li>4.6 Behavior in Fire: Currently not available</li> <li>4.7 Auto Ignition Temperature: Currently no available</li> <li>4.8 Electrical Hazards: Currently not available</li> <li>4.9 Burning Rate: Currently not available</li> <li>4.10 Adiabatic Flame Temperature: Currently not available</li> </ul>	t 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Flammable Liquid 8.2 49 CFR Class: 3 8.3 49 CFR Package Group: II 9.4. Marine Pollutant: No 8.5 NFPA Hazard Classification:
	Container may explode in heat of Vapor explosion and poison haz Extinguish fires with dry chemic Withdraw immediately in case of any discoloration of tank due to	of fire. ard indoors, outdoors or in sewers. al, CO2, foam, or water spray. f rising sound from venting safety de fire.	evice or	<ul> <li>4.11 Stoichometric Air to Fuel Ratio: 25.0 (calc.)</li> <li>4.12 Flame Temperature: Currently not available</li> <li>4.13 Combustion Molar Ratio (Reactant to</li> </ul>	Category Classification Health Hazard (Blue) 4 Flammability (Red) 3 Instability (Yellow)
Exposure	CALL FOR MEDICAL AID. VAPOR Irritating to eyes, nose, and thro Harmful if inhaled. IF INHALED: Move victim to fre:	at. shair.		Product): 6.5 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY	8.6 EPA Reportable Quantity: 100 pounds     8.7 EPA Pollution Category: B     8.8 RCRA Waste Number: P101     8.9 EPA FWPCA List: Not listed
	If not breathing, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Irritating to the skin and eyes. Harmful if swallowed or skin is exposed. Remove and isolate contaminated clothing and shoes at the site. Flush affected areas immediately with plenty of water. IF IN IEVES: hold eyelds open and flush with plenty of water. IF SIN EVES: hold eyelds open and flush with plenty of water. IF SIN EVES: hold eyelds open and flush with plenty of water. IF SIN ALLOWED and victim is CONSCIOUS: have victim drink water or milk and victim induce vorniting. IF SIVALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS: do nothing except keep victim warm. Effects may be delayed, keep victim under observation.			<ul> <li>5.1 Reactivity with Water: No reaction</li> <li>5.2 Reactivity with Common Materials: No reaction</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> <li>6. WATER POLLUTION</li> <li>6.1 Aquatic Toxicity: Currently not available</li> </ul>	9. PHYSICAL & CHEMICAL PROPERTIES           9.1 Physical State at 15° C and 1 atm: Liquid           9.2 Molecular Weight: 55.08           9.3 Boiling Point at 1 atm: 207.1°F = 97.3°C = 370.5°K           9.4 Freezing Point: -135°F = -92.8°C = 180°K           9.5 Critical Temperature: 555.4°F = 290.8°C = 564°K           9.6 Critical Tensource: 607.1 psia = 41.3 atm = 4.2 MVm <sup>2</sup>
Water Pollution	HARMFUL TO AQUATIC LIFE AT LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Fouling to shoreline. Notify local health and wildlife officials. Notify operators of local water intakes.			6.2 Waterfowl Toxicity: Currently not available     6.3 Biological Oxygen Demand (BOD): Currently not available     6.4 Food Chain Concentration Potential:	<ul> <li>9.7 Specific Gravity: 0.702 at 20°C</li> <li>9.8 Liquid Surface Tension: 27.2 dyne/cm at 20°C</li> <li>9.9 Liquid Water Interfacial Tension: Currently not available</li> <li>9.10 Vancy (Ga) Specific Gravity: 1.0</li> </ul>
<ul> <li>1. CORRECTIVE RESPONSE ACTIONS Stop discharge Diute and disperse Contain Collection Systems: Skin Do not burn Clean shore line Salvage waterfowl</li> <li>2. CHEMICAL DESIGNATIONS Salvage waterfowl</li> <li>2. CAS Registry No: 107-102 . CAS Registry No: 107-102</li></ul>			NATIONS :37; Nitriles /2404 2-0 le Classification: esistant gloves, ss, drop in blood on of skin and lips rtificial respiration. for 15 minutes. minduce vorting, d. SKIN: Remove bat and can cause to remain, may	Bioaccumulation: 0 Damage to living resources: 2 Human Oral hazard: 3 Human Contact hazard: II Reduction of amenities: XX	Currently not available 9.12 Latent Heat of Vaporization: 241.7 Btt//lb = 134.3 cal/g = 5.6 x 10 <sup>5</sup> J/kg 9.13 Heat of Combustion: -1.491.5 Btt//lb = -82.86 cal/g = -347 x 10 <sup>5</sup> J/kg 9.14 Heat of Solution: Currently not available 9.15 Heat of Solution: Currently not available 9.16 Heat of Folymerization: Currently not available 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: 1.7 psia NOTES

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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
68	48.810		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVA-LABLE		C U R R E N T L Y N O T A V A I L A B L E

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
	CURRENTLY NOT AVA-LABLE	-30 -20 -10 0 10 20 30 40 50 60 70 80 90 100 110 110 120 130 140 150 160 170 180 190 200	0.025 0.033 0.043 0.056 0.073 0.123 0.160 0.209 0.272 0.354 0.461 0.600 0.781 1.016 1.322 1.722 2.241 2.917 3.797 4.942 6.433 8.373 10.899		C U R R E N T L Y NOT A V A I L A B L E	0 25 50 75 100 125 150 275 200 225 250 275 300 325 350 325 350 375 400 425 450 525 550 575 600	0.314 0.321 0.328 0.334 0.342 0.349 0.356 0.363 0.371 0.379 0.387 0.395 0.403 0.412 0.429 0.438 0.412 0.429 0.438 0.447 0.457 0.466 0.476 0.486 0.496 0.507 0.517