METHYLETHYLPYRIDINE

CAU	UTIONARY RESPO	NSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Liquid Colorless Sharp odor Aldehydre-collidine Aldehydre 5-Ettyl-2-methyl pyridine 5-Ettyl-2-picoline MEP Floats on water. Sharp odor Keep people away. Avoid contact with liquid. Wear goggles, self-contained breathing apparatus, and rubber overclothing (including gloves). Call fire department. Notify local health and pollution control agencies.			 4.1 Flash Point: 155°F O.C. 4.2 Flammable Limits in Air: 1.1%-6.6% 4.3 Fire Extinguishing Agents: Foam, carbon dioxide, dry chemical 4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent 4.5 Special Hazards of Combustion Products: Initiating vapors are generated when heated 4.6 Behavior in Fire: Not pertinent 4.7 Auto Ignition Temperature: 939°F 4.8 Electrical Hazards: Not pertinent 	7.1 Grades of Purity: 99.9% 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: (B) 7.6 Ship Type: 3 7.7 Barge Hull Type: 3 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Keep Away From Food		
Cine We (ind Ext	ncluding gloves). (tinguish with water, dry chemica	athing apparatus, and rubber overclothing al, alcohol foam, or carbon dioxide.	 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 55.9 	 8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: III 8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: Category Classification: 3 Flammability (Red)		
Exposure CA LIC Wii Ha Re Flu IF	aol exposed containers with wat ALL FOR MEDICAL AID. QUID ill burn skin and eyes. armful if swallowed. emove contaminated clothing an ush affected areas with plenty o IN EYES, hold eyelids open an SWALLOWED and victim is CC milk.	id shoes. fwater.	(caic.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 14.5 (caic.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction			
Pollution Ma	fect of low concentrations on ac uling to shoreline. ay be dangerous if it enters wat tify local health and wildlife offi otify operators of nearby water i	er intakes. cials.	5.2 Reactivity with Common Materials: No reaction 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Flush with water, neutralize with diute acetic acid 5.5 Polymerization: Not pertinent			
Absorb Clean shore line Salvage waterfo 3.1 Personal Protective goggles or face : 3.2 Symptoms Followin Contact with liqu 3.3 Treatment of Expos call a physician. medical care for 3.5 TLV-STEL: Not liste 3.5 TLV-STEL: Not liste 3.6 TLV-Ceiling: Not liste 3.7 Toxicity by Ingestio 3.8 Toxicity by Ingestio 3.8 Toxicity by Inglatic 3.9 Chronic Toxicity: Ci 3.10 Vapor (Gas) Irritan high concentratia 3.11 Liquid or Solid Che	ems: Skim hysical Treatment: a bowl 3. HEALTH H. e Equipment: Air-supplied mas shield. ng Exposure: Breathing of vap uid causes skin and eye burns. sure: INHALATION: remove vii. SKIN OR EYES: immediately reyes. d. d. td. to: Grade 2; LD ₅₀ = 0.5 to 5 g/l on: Currently not available. Jurrenthy not available. trurenthy not available. the offect is a secondary burns on long Currently not available ted. Not listed. Not listed. SN Listed.	k for high vapor concentrations; plastic gloves ors will cause vomiting and chest discomfort. ctim to fresh air; give oxygen if breathing is di flush with plenty of water for at least 15 min.; kg (rat) se moderate irritation such that personnel will emporary. of the skin and first-degree burns on short	0.12-2.14 lb/lb, 5 days 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Not listed	 9.4 Freezing Point: -94.5°F = -70.3°C = 202.9°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.922 at 20°C (liquid) 9.8 Liquid Surface Tension: 36 dynes/cm = 0.036 Nm at 20°C 9.9 Liquid Water Interfacial Tension: Current not available 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.12 Latent Heat of Vaporization: Currently not available 9.13 Heat of Combustion: Currently not available 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: Currently not available 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: 0.1 psia 		

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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
52 54 56 58 60 62 64 66 68 70 72 74 74 76 80 82 84 80 82 84 86	58.110 58.440 57.970 57.900 57.830 57.680 57.680 57.480 57.480 57.480 57.480 57.480 57.210 57.210 57.210 57.210 57.210 57.000 56.930	85 90 95 100 115 120 125 130 135 140 145 150	0.435 0.438 0.441 0.444 0.449 0.452 0.455 0.458 0.458 0.458 0.460 0.466 0.469 0.471	50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 94 96 98 100	1.040 1.040	50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 93 90 92 94 96 98 100	2.520 2.448 2.379 2.312 2.247 2.185 2.125 2.067 2.011 1.957 1.905 1.854 1.854 1.758 1.713 1.669 1.626 1.585 1.545 1.545 1.545 1.506 1.433 1.398 1.398 1.331 1.299

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
68	1.200	90 100 110 120 130 140 150 160 170 180 200 210 220 230 240 250 250 260 270 280 290 300 310 320 330 340	0.078 0.105 0.138 0.235 0.235 0.303 0.386 0.489 0.614 0.766 0.950 1.169 1.430 1.740 2.104 2.531 3.028 3.606 4.272 5.039 5.918 6.920 8.060 9.350 10.810 12.440	90 100 110 120 130 140 150 160 170 180 200 210 220 230 240 250 250 260 260 270 280 290 300 310 320 330 340	0.00161 0.00211 0.00274 0.00353 0.00450 0.00570 0.00715 0.00890 0.01101 0.01352 0.01650 0.02011 0.02411 0.02890 0.03444 0.034083 0.04083 0.04083 0.04083 0.04083 0.04081 0.05656 0.066610 0.07691 0.05656 0.066610 0.07691 0.08911 0.1280 0.11820 0.13540 0.13540 0.17570		N O T P E R T I N E N T T