## ETHYL CYCLOHEXANE

	CAUTIONARY RES	PONSE INFORMATION	ר ר	4. FIRE HAZARDS	7. SHIPPING INFORMATION	
Common Synonyms         Liquid         Colorless           Cyclohexyl ethane         Example         Example           Keep people away, Avoid inhalation.         Shu off all ignition sources and call fire department. Avoid contact with liquid and vapor.         Stay upwind and use water spray to ``knock down" vapor. Notify local heath and pollution control agencies.			<ul> <li>4.1 Flash Point: 95°F C.C.</li> <li>4.2 Flammable Limits in Air: 0.9-6.6%</li> <li>4.3 Fire Extinguishing Agents: Foam, carbon dixide, or dry chemical</li> <li>4.4 Fire Extinguishing Agents Not to Be Used: Water may be ineffective against fire</li> <li>4.5 Special Hazards of Combustion Products: Currently not available</li> <li>4.5 Behavior in Eiro: Currently not available</li> </ul>	<ul> <li>7.1 Grades of Purity: 99+%</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: 3</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Not Listed</li> <li>8.2 49 CFR Class: Not Pertinent</li> <li>8.3 49 CFR Package Group: Not listed.</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification:</li> </ul>		
	Protect water intakes.  Fire COMBUSTIBLE. Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed area. Water may be ineffective on fire. Extinguish with foam, carbon dioxide, or dry chemicals. Cool exposed containers with water.					
Exposure	CALL FOR MEDICAL AID. VAPOR Irritating to eyes, nose, and throat. If inhaled, will cause dizziness, nausea, vomiting, or loss of consciousness. Move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Irritating to skin and eyes. Harmful if swallowed. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES: hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS: have victim drink water or milk. Dangerous to aquatic life in high concentrations. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local heatth and wildlife officials. Notify operators of nearby water intakes.			(calc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 16.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: No reaction 5.3 Stability During Transport: Stable	Category Classification Health Hazard (Blue)	
Water Pollution				5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity:	<ul> <li>9.3 Boiling Point at 1 atm: 269°F = 132°C = 405°K</li> <li>9.4 Freezing Point: -168°F= -111.3°C = 162°K</li> <li>9.5 Critical Temperature: Currently not available</li> <li>9.6 Critical Pressure: Currently not available</li> <li>9.7 Specific Gravity: 0.7880 @ 20°C</li> </ul>	
<ul> <li>Notity operators of nearby water intakes.</li> <li>I. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Clean shore line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. Gormala: (Cd+H) Cd+R 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Clean shore line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 2. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 3. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 3. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 3. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 3. More line Salvage waterfowl</li> <li>I. Ca Compatibility Group: Not listed. 3. More line Salvage waterfowl</li> <li>I. Salvage waterfowl</li> <li>I. Salvage water for a lastic glows: chemical gogges of face splash shield. 3. More line Salvage and unconsciousness. 3. Treatment of Exposure: INHALATION: Remove vicitim to fresh air; if breathing stops, apply artificial respiration and administer oxygen. SKIN OR EYE CONTACT: Remove contaminated clothing and genity flush affected areas with water for at least 15 minutes; call a physician. 3. Toxicity by Instand. 3. More line the disted. 3. Toxicity by Instand. 3. Soxicity by Instand. 3. Soxicity</li></ul>				Currently not available 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): Currently not available 6.4 Food Chain Concentration Potential: Currently not available 6.5 GESAMP Hazard Profile: Not listed NOT	<ul> <li>9.8 Liquid Surface Tension: Currently not available</li> <li>9.9 Liquid Water Interfacial Tension: Currently not available</li> <li>9.10 Vapor (Gas) Specific Gravity: 3.87 (est)</li> <li>9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available</li> <li>9.12 Lattent Heat of Vaporization: 180 Btu/lb = - 99.9 cal/g = 4.2 X 10<sup>5</sup> J/kg</li> <li>9.13 Heat of Combustion: -20,024 Btu/lb = - 11,124 cal/g = 466 X 10<sup>5</sup> J/kg</li> <li>9.14 Heat of Decomposition: (est) -91.314 Btu/lb = 50,730 cal/g = -212 X 10<sup>5</sup> J/kg</li> <li>9.15 Heat of Solution: Currently not available</li> <li>9.16 Heat of Polymerization: Currently not available</li> <li>9.17 Heat of Fusion: 17.75 cal/g</li> <li>9.18 Limiting Value: Currently not available</li> <li>9.19 Reid Vapor Pressure: 0.6 psia</li> </ul>	

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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	49.190	80 90 100 120 130 140 150 160 160 170 180 200 210 220 230 240 250 260	0.450 0.451 0.452 0.452 0.453 0.453 0.454 0.455 0.455 0.456 0.456 0.457 0.458 0.457 0.458 0.459 0.459 0.459 0.460		C UR R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE

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
	C URRENTLY NOT AVAILABLE	20 40 60 80 100 120 140 160 180 200 220 240	0.047 0.077 0.126 0.207 0.338 0.553 0.904 1.479 2.419 3.956 6.471 10.583		C U R R E N T L Y N O T A V A I L A B L E	0 25 50 75 100 125 150 175 200 225 250 275 300 225 350 325 350 375 400 425 450 475 550 525 550 575 600	0.025 0.031 0.036 0.042 0.047 0.053 0.058 0.064 0.069 0.074 0.085 0.096 0.102 0.107 0.113 0.118 0.129 0.135 0.140 0.146 0.157