## 2,2-DIMETHYLOCTANOIC ACID

				4. FIRE HAZARDS 4.1 Flash Point:	7. SHIPPING INFORMATION 7.1 Grades of Purity: Currently not available		
Common Synonyms 2,2-Dimethylcaprylic acid         Liquid         Colorless         Burning, rancid odor           Floats on water.         Floats on water.         State of the second seco				Currently not available 4.2 Flammable Limits in Air: Currently not available 4.3 Fire Extinguishing Agents: CO <sub>2</sub> , dry chemical, foam, or water spray. 4.4 Fire Extinguishing Agents Not to Be	7.1 Grades of Purity: Currently not available     7.2 Storage Temperature: Currently not availa     7.3 Inert Atmosphere: None     7.4 Venting: None     7.5 IMO Pollution Category: C     7.6 Ship Type: 3		
Call fire department	and pollution control agencie			Used: Currently not available 4.5 Special Hazards of Combustion Products: Currently not available 4.6 Behavior in Fire: Currently not available	7.7 Barge Hull Type: Currently not available     8. HAZARD CLASSIFICATIONS		
Fire Comb Wear	Combustible Wear self-contained breathing apparatus and full protective clothing. Extinguish with CO <sub>2</sub> , dry chemical, foam, or water spray.			<ul> <li>4.7 Auto Ignition Temperature: Currently not available</li> <li>4.8 Electrical Hazards: Currently not available</li> </ul>	<ul> <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> </ul>		
	FOR MEDICAL AID	osed. I throat. artificial respiration.		<ul> <li>4.9 Burning Rate: Currently not available</li> <li>4.10 Adiabatic Flame Temperature: Currently not available</li> </ul>	<ul> <li>8.5 NFPA Hazard Classification: Not listed</li> <li>8.6 EPA Reportable Quantity: Not listed.</li> <li>8.7 EPA Pollution Category: Not listed.</li> </ul>		
Harmf Irritati Move If brea	ful if inhaled or skin is expositing to the eyes, nose, and the victim to fresh air. Authing has stopped, give art athing has stopped, give art athing is difficult, give oxyge			<ul> <li>4.11 Stoichometric Air to Fuel Ratio: 66.6 (calc.)</li> <li>4.12 Flame Temperature: Currently not available</li> <li>4.13 Combustion Molar Ratio (Reactant to Product): 20.0 (calc.)</li> </ul>	8.8 RCRA Waste Number: Not listed     8.9 EPA FWPCA List: Not listed     9. PHYSICAL & CHEMICAL PROPERTII		
Harmf Irritati Remo IF IN	LIQUID Harmful if swallowed or absorbed through the skin. Irritating to the eyes and skin. Remove contaminated clothing and shoes, flush affected areas with plenty of water. IF IN EYES: hold eyelids open, flush with plenty of water for at least 15 minutes. IF SWALLOWED: do nothing except keep victim warm. DO NOT INDUCE VOMITING			4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY	9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 174.3 9.3 Boiling Point at 1 atm: Currently not available		
				<ul><li>5.1 Reactivity with Water: No reaction</li><li>5.2 Reactivity with Common Materials: No</li></ul>	9.4 Freezing Point: Currently not available 9.5 Critical Temperature: Currently not availa 9.6 Critical Pressure: Currently not available		
Pollution May b	Effects of low concentrations on aquatic life are not known. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.			reaction 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Caustic soda, soda ash, lime 5.5 Polymerization: Not perlinent	<ol> <li>9.6 Critical Pressure: Currently not available</li> <li>9.7 Specific Gravity: Currently not available</li> <li>9.8 Liquid Surface Tension: Currently not available</li> <li>9.9 Liquid Water Interfacial Tension: Current</li> </ol>		
				5.6 Inhibitor of Polymerization: Not pertinent	<ul> <li>9.9 Eight water interfactal rension. Current not available</li> <li>9.10 Vapor (Gas) Specific Gravity: 6.0</li> </ul>		
1. CORRECTIVE RESPONSE ACTIONS     Stop discharge     Contain     Chemical and Physical Treatment:     Neutralize     3. HEALTH HAZARDS     3. HEALTH HAZARDS     3.1 Personal Protective Equipment: Approved respirator, chemical resistant gloves, chemical     gloves, other protective clothing.		r Group: 4: Organic acids b)cC(CH)cC0:H ion: Not Listed isted :: Currently not available :: Not listed ial Trade Classification:	<ol> <li>6. WATER POLLUTION</li> <li>6.1 Aquatic Toxicity: Currently not available</li> <li>6.2 Waterfowl Toxicity: Currently not available</li> <li>6.3 Biological Oxygen Demand (BOD): Currently not available</li> <li>6.4 Food Chain Concentration Potential: Currently not available</li> <li>6.5 GESAMP Hazard Profile: Not listed</li> </ol>	<ul> <li>9.11 Ratio of Specific Heats of Vapor (Gong Currently not available</li> <li>9.12 Latent Heat of Vaporization: Current available</li> <li>9.13 Heat of Combustion: Currently not a subscription of the second seco</li></ul>			
<ol> <li>Treatment of Exposur artificial respiration running water for at affected areas with INDUCE VOMITNCE VOMITNCE VOMITNCE TLV-STEL: Not listed.</li> <li>TLV-STEL: Not listed.</li> <li>Toxicity by Inpastion:</li> <li>Toxicity by Inpastion:</li> <li>Ochoris Toxicity: Curry:</li> <li>Orapit Coxicity: Curry:</li> <li>Cury Gas) Irritant CI cause eye and lung</li> <li>Liquid or Solid Charar</li> </ol>	Currently not available : Currently not available : Currently not available : Carrently not available : Characteristics: Vapors cau g injury. They cannot be tok cuteristics: Severe skin initit i nijurious to the eyes. : rently not available listed. t listed. to listed.	ictim to fresh air. If breathi e oxygen. EYES: Hold ey enrove contaminated cloth N: Do nothing except keep see severe irritation of the erated even at low concen	ng has stopped, give elids open, flush with ing and shoes, flush victim warm. DO NOT eyes and throat and can trations.		TES		

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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
	C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		C U R 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
	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		C U R R E N T L Y NOT A V A I L A B L E	0 25 50 75 100 125 150 275 200 225 250 250 300 325 350 375 400 425 450 475 550 525 550 575 600	0.320 0.332 0.343 0.354 0.365 0.377 0.388 0.399 0.410 0.422 0.433 0.444 0.455 0.467 0.478 0.467 0.478 0.468 0.500 0.512 0.523 0.534 0.545 0.556 0.556 0.5590