LAUROYL PEROXIDE

CAUTIONARY RESPONSE INFORMATION					4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synor Dilauroyl peroxide Dodecanoyl peroxide Evacuate. Keep people Shut off igni Notify local	Immon Synonyms peroxide syl peroxide Solid White Faint soapy odor Floats on water. Floats on water. Evacuate. Solid Soli		odor	 Flash Point: Not pertinent (oxidizing combustible solid) Flammable Limits in Air: Not pertinent Fire Extinguishing Agents: Water, dry chemical, foam, or carbon dioxide Fire Extinguishing Agents Not to Be Used: Not pertinent Special Hazards of Combustion Products: Not pertinent 	 7.1 Grades of Purity: 97-98%; dry or wetted with water 7.2 Storage Temperature: <80°F 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available 7.7 Barge Hull Type: Currently not available 			
Fire	Combustible. May cause fire on contact with combustibles. Containers may explode in fire. May explode if exposed to heat or flames. Combat fires from behind barrier. Flood discharge area with water. Cool exposed containers with water.				 4.6 Behavior in Fire: Can increase the severity of a fire. Becomes sensitive to shock when hot. Containers may explode in a fire. May ignite or explode spontaneously if mixed with flammable materials. 4.7 Auto Ignition Temperature: Not pertinent 4.8 Electrical Hazards: Not pertinent 	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed. 8.2 49 CFR Class: Not pertinent. 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No		
Exposure	Call for medical aid. SOLID 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 and have victim is UNCONSCIOUS OR HAVING CON- VULSIONS, do nothing except keep victim warm.				 4.9 Burning Rate: Not pertinent 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 159.5 (calc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 47.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 	8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)0 Flammability (Red)2 Instability (Yellow)3 Special (White)OX 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	er Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.				5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: May ignite or explode spontaneously when	9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 399		
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim Clean shore line		n ACTIONS	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: [Ch4(CH):eCOO]: 2.3 IMO/UN Designation: 5.2/2124 2.4 DOT ID No: Not listed. 2.5 CAS Registry No: 105-74-8 2.6 NAERG Guide No:: 145 2.7 Standard Industrial Trade Classification: 51699		mxed with combustible materials. 5.3 Stability During Transport: Stable if not overheated 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	 9.3 Boiling Point at 1 atm: Decomposes 9.4 Freezing Point: 129°F = 54°C = 327°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.91 at 25°C (solid) 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not pertinent 		
3. HEALTH HAZARDS 3.1 Personal Protective Equipment: Protective gloves, goggles 3.2 Symptoms Following Exposure: Contact with liquid irritates eyes and skin. Ingestion causes irritation of mouth and stormach. 3.3 Treatment of Exposure: EVES: wash with plenty of water for 15 min. and get medical attention. SKIN: wash with plenty of soap and water. INGESTION: administer an emetic to induce vomiting and call a physician 4.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-ceiling: Not listed. 3.7 Toxicity by Inhalation: Currently not available 3.8 Toxicity by Inhalation: Currently not available. 3.9 Otronic Toxicity: Weak carcinogen in mice 3.10 Vapor (Gas) Irriant Characteristics: Currently not available 3.11 Liquid or Solid Characteristics: Currently not available			iting	Currently not available Currently not available S.2 Waterfowl Toxicity: Currently not available S.3 Biological Oxygen Demand (BOD): Currently not available G.4 Food Chain Concentration Potential: None S.5 GESAMP Hazard Profile: Not listed	 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: (est.) –16,300 Btu/lb –9,100 cal/g = –380 X 10⁵ J/kg 9.14 Heat of Decomposition: Currently not available 9.15 Heat of Solution: Not pertinent 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: Currently not available 			
3.13 IDLH Value: No 3.14 OSHA PEL-TW 3.15 OSHA PEL-STE 3.16 OSHA PEL-STE 3.17 EPA AEGL: No	d: Currently n I Isted. A: Not listed. EL: Not listed Img: Not listed t listed	d.				53		

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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 I N E N T		P E R T I N E N T		PERTINENT		PERTINENT

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
	I N S O		N O T		N O T		N O T
	U U E E		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