OILS, EDIBLE: PALM

(CAUTIONARY RESP	ONSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Liquid or solid Palm butter Floats on water. Palm roil Floats on water. Call fire department. Notify local health and pollution control agence		Orange-red Pleasant odor	 4.1 Flash Point: 373°F C.C. 4.2 Flammable Limits in Air: Not pertinent 4.3 Fire Extinguishing Agents: Foam, dry chemical, carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water or foam may cause frothing; water may be ineffective. 4.5 Special Hazards of Combustion 	 7.1 Grades of Purity: Various grades, depending or source. Contains 3-45% fatty acids. 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: D 7.6 Ship Type: 3 		
Fire Combustible. Extinguish with dry chemicals, foam or carbon dioxide.			Products: Not pertinent 4.6 Behavior in Fire: Not pertinent 4.7 Auto Ignition Temperature: 600°E	7.7 Barge Hull Type: Currently not available		
Exposure	LIQUID OR SOLID Not harmful. DO NOT INDUCE VOMITING.	e.	 4.7 Auto ignition reimperature: 600 F 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: 4 mm/min. 4.10 Adiabatic Flame Temperature: Currently not available 	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		
Water Pollution	Effect of low concentrations or Fouling to shoreline. May be dangerous if it enters v Notify local health and wildlife of Notify operators of nearby wat	i aquatic life is unknown. vater intakes. officials. er intakes.	 4.11 Stoichometric Air to Fuel Ratio: Not pertinent. 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent. 4.14 Minimum Oxygen Concentration for 	 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)		
1. CORRECTIVE Stop discha Contain Collection S Chemical a	RESPONSE ACTIONS arge Systems: Skim nd Physical Treatment:	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: 34; Ester 2.2 Formula: Not applicable 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: Not listed	Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: No	8.7 EPA Pollution Catality Not insted. 8.7 EPA Pollution Catagory: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid to linutd		
Absorb Clean shore Salvage wa	e line aterfowl	2.5 CAS Registry No.: Currently not available 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 9899	5.2 Reactivity will common materials. No reaction 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent			
3.1 Personal Prote 3.2 Symptoms Foll	3. HEALTH ective Equipment: Goggles or fa lowing Exposure: Oil is essentia imposure: EVES: flush with work	HAZARDS ce shield; rubber gloves Illy nontoxic; may cause mild irritation of eyes. v for at least 15 min _INCESTION; do NOT induce	5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	9.2 Molecular Weight: Not pertinent 9.3 Boiling Point at 1 atm: Not pertinent (very high)		
 3.3 Treatment of E vormiting. 3.4 TLV-TWA: Not I 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: No. 3.7 Toxicity by Inge 3.8 Toxicity by Inhe 3.9 Chronic Toxiciti 3.10 Vapor (Gas) Irr 3.11 Liquid or Solid 3.12 Odor Threshol 3.13 IDLH Value: No 3.14 OSHA PEL-TW 3.16 OSHA PEL-TW 3.16 OSHA PEL-Cei 3.17 EPA AEGL: No 	xposure: EYES: flush with wate listed. listed. ot listed. ot listed. v: None ritant Characteristics: Currently d Characteristics: Currently d Characteristics: Currently d Characteristics: Currently d Ci-currently not available ot listed. AA: Not listed. EL: Not listed. illing: Not listed. ot listed	r for at least 15 min. INGESTION: do NOT induce not available available	 6. WATER POLLUTION 6.1 Aquatic Toxicity: 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: None 6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 0 Human Oral hazard: 0 Human Contact hazard: 0 Reduction of amenities: XX 	 9.4 Freezing Point: 70–80°F = 21–27°C = 294 300°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Temperature: Not pertinent 9.7 Specific Gravity: 0.906 at 38°C (liquid) 9.8 Liquid Surface Tension: (est.) 25 dynes/cm = 0.025 N/m at 37°C 9.9 Liquid Water Interfacial Tension: (est.) 50 dynes/cm = 0.050 N/m at 37°C 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Latent Heat of Vaporization: Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Polymerization: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Not pertinent 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		

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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
99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	56.190 56.170 56.110 56.080 56.080 56.000 55.970 55.970 55.890 55.810 55.810 55.750 55.720 55.670 55.670 55.640 55.640 55.560	99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122	0.480 0.480	35 40 45 50 55 60 60 60 75 80 85 90 90 90 90 90 100 100 110 110 115 120	0.918 0.917 0.916 0.915 0.914 0.913 0.912 0.911 0.909 0.908 0.907 0.906 0.905 0.904 0.902 0.902 0.902 0.900 0.899		NOT РШКТ-ТШХТ

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
	O L U B L 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