## OILS, FUEL: NO. 6

	CAUTIONARY RESPO	ONSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Bunker C oil No. 6 Residual fuel oil Shut off ignition sources and call fire departme		vater.	<ul> <li>4.1 Flash Point: &gt;150°F C.C.</li> <li>4.2 Flammable Limits in Air: 1%-5%</li> <li>4.3 Fire Extinguishing Agents: Dry chemical, foam, or carbon dioxide</li> <li>4.4 Fire Extinguishing Agents Not to Be</li> </ul>	7.1 Grades of Purity: Commercial 7.2 Storage Temperature: Elevated 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: Currently not availa		
Keep peop	le away. Avoid contact with liquid. I health and pollution control agenci		Used: Water may be ineffective 4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Not pertinent	7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available		
Fire	Combustible. Extinguish with dry chemical, foa Water may be ineffective on fire Cool exposed containers with w		4.7 Auto Ignition Temperature: 765°F     4.8 Electrical Hazards: Not pertinent     4.9 Burning Rate: 4 mm/min.     4.10 Adiabatic Flame Temperature: Currently	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Flammable liquid 8.2 49 CFR Class: 3 8.3 49 CFR Package Group: III 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue) 0 Flammability (Red) 2 Instability (Yellow) 0 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		
Exposure	or milk. DO NOT INDUCE VOMITING.	of water. nd flush with plenty of water. CONSCIOUS, have victim drink water	not available     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     Combustion (MOCC): Not listed     5. CHEMICAL REACTIVITY			
Water Pollution	Dangerous to aquatic life in high Fouling to shoreline. May be dangerous if it enters wa Notify local health and wildlife of Notify operators of nearby water	ater intakes. ficials.	5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: No reaction 5.3 Stability During Transport: Stable	9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Liquid		
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Burn; Absorb Clean shore line Salvage waterfowl		<ol> <li>CHEMICAL DESIGNATIONS</li> <li>CG Compatibility Group: 33; Miscellaneous hydrocarbon mixture</li> <li>Formula: Not listed</li> <li>MO/UN Designation: 3.3/1223</li> <li>DOT ID No.: 1993</li> <li>CAS Registry No.: Currently not available</li> <li>NAERG Guide No.: 128</li> <li>Standard Industrial Trade Classification: 33440</li> </ol>	Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity: 2400 ppm/48 hr/juvenile American shad/TL_/fresh water 2417 mg//48 hr/juvenile American shad/TL_/salt water 6.2 Waterfowl Toxicity: Currently not	9.3 Boiling Point at 1 atm: 415->>1093°F = 212->>588°C = 485->>861°K     9.4 Freezing Point: 25 to 55°F = −4 to +13°C = 269 to 286°K     9.5 Critical Temperature: Not pertinent     9.6 Critical Pressure: Not pertinent     9.7 Specific Gravity: 0.95 (approx.) at 20°C (liquid)     9.8 Liquid Surface Tension: (est.) 25 dynes/cr = 0.025 N/m at 20°C		
irritation is 3.3 Treatment of E probably nr x-rays; con quantity of 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Ing 3.9 Chronic Toxici 3.10 Vapor (Gas) If 3.11 Liquid or Solit cause sma	normally minimal but may become ixposure: INGESTION: do NOT la t required; delayed development o sider prophylactic antibiotic regime water. SKIV: wipe off and wash v ce of intended change: Not listed. listed. ot listed. estion: Grade 1: LDso = 5 to 15 g alation: Currently not available ritant Characteristics: None d Characteristics: None d Characteristics: Minimum hazarr ting and reddening of the skin.		Currently not available 6.4 Food Chain Concentration Potential: Currently not available 6.5 GESAMP Hazard Profile: Not listed	<ul> <li>9.10 Vapor (Gas) Specific Gravity: Not pertinent</li> <li>9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent</li> <li>9.12 Latent Heat of Vaporization: Not pertinent</li> <li>9.13 Heat of Combustion: -18,000 Btu/lb = -10,000 cal/g = -418.68 X 10<sup>3</sup> J/kg</li> <li>9.14 Heat of Decomposition: Not pertinent</li> <li>9.15 Heat of Solution: Not pertinent</li> <li>9.16 Heat of Fusion: Currently not available</li> <li>9.18 Reid Vapor Pressure: Currently not available</li> </ul>		
3.12 Odor Thresho 3.13 IDLH Value: N 3.14 OSHA PEL-TV 3.15 OSHA PEL-TV 3.16 OSHA PEL-CE 3.17 EPA AEGL: N	VA: Not listed. EL: Not listed. iling: Not listed.		NC	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
50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84	60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300 60.300	50 52 54 56 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100	0.460 0.461 0.462 0.463 0.464 0.465 0.466 0.467 0.468 0.469 0.470 0.471 0.472 0.473 0.474 0.475 0.476 0.476 0.476 0.477 0.478 0.478 0.480 0.481 0.482 0.483 0.484 0.485	40 45 50 55 60 65 70 75 80 85 90 95 100 105	0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846 0.846	100	493.500

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
	L N S O L U B L E	70 75 80 85 90 95 100 105 110 115 120 135 130 135 140 135 145 155 165 165 165 170 175 180 185 190 195	0.042 0.049 0.057 0.065 0.087 0.100 0.114 0.131 0.149 0.170 0.193 0.218 0.247 0.279 0.314 0.352 0.314 0.352 0.395 0.443 0.495 0.552 0.615 0.683 0.758 0.841 0.930		N O T E R T I N E N T		N O T P E R T I N E N T