## OILS, MISCELLANEOUS: PENETRATING

7. SHIPPING INFORMATION

(	CAUTION	NARY RESP	ONSE INFORM	IATION	4. FIRE HAZARDS
Preservative oil Water displacing oil		Oily liquid	Yellow	Motor oil-like odor	<ul> <li>4.1 Flash Point: 295°F</li> <li>4.2 Flammable Limits in Air: Cur available</li> </ul>
	act with liquid.	Ilution control agen	ries		4.3 Fire Extinguishing Agents: I chemical, or carbon dioxide 4.4 Fire Extinguishing Agents N Used: Water or foam may c
Fire	ter intakes. Combustible	9.			<ul> <li>frothing.</li> <li>4.5 Special Hazards of Combus Products: Not pertinent</li> </ul>
1110	Water may	be ineffective on fir	ical, or carbon dioxide. e.		4.6 Behavior in Fire: Not pertined 4.7 Auto Ignition Temperature: available
Exposure	LIQUID Irritating to s Harmful if sw Remove con Flush affect IF IN EYES, IF SWALLO or milk.	MEDICAL AID. skin and eyes. wallowed. ntaminated clothing ed areas with plent , hold eyelids open WWED and victim is DUCE VOMITING.	<ul> <li>4.8 Electrical Hazards: Not pertin 4.9 Burning Rate: Currently not a 4.10 Adiabatic Flame Temperatu not available</li> <li>4.11 Stoichometric Air to Fuel R pertinent.</li> <li>4.12 Flame Temperature: Curren available</li> <li>4.13 Combustion Molar Ratio (R Product): Not pertinent.</li> </ul>		
Water Pollution	Pollution May be dangerous if it enters water intakes. Notify local health and wildlife officials.				4.14 Minimum Oxygen Concentr Combustion (MOCC): Not I 5. CHEMICAL REACTI
	Notify opera	ators of nearby wate	er intakes.		5.1 Reactivity with Water: No rea 5.2 Reactivity with Common Ma
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Burn; Absorb Clean shore line Salvage waterfowl			2.1 CG Compatil Miscellanu 2.2 Formula: Not 2.3 IMO/UN Desi 2.4 DOT ID No.: 2.5 CAS Registry 2.6 NAERG Guid	eous Hydrocarbon Mixtures applicable gnation: 3.3/1270 1268 y No.: Currently not available	reaction 5.3 Stability During Transport: S 5.4 Neutralizing Agents for Acia Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: 6. WATER POLLUTIO 6.1 Aquatic Toxicity:
			HAZARDS ves; goggles or face shi tate stomach and increa		Currently not available 6.2 Waterfowl Toxicity: Currently available 6.3 Biological Oxygen Demand
ASPIRATIC wash with of 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: No 3.7 Toxicity by Ing 3.8 Toxicity by Inh 3.9 Chronic Toxici 3.10 Vapor (Gas) In system if pr 3.11 Liquid or Solic	Ni: check for - copious amour listed. listed. listed. estion: Crade alation: Curre ty: Currently n ritant Charact resent in high of d Characterist riting and redde Id: Currently n t listed. /A: Not listed. EL: Not listed. iling: Not liste	delayed developme tts of water. SKIN: h1; LDso = 5 to 15 ntly not available. teristics: Vapors c. concentrations. Th tics: Minimum haza ening of skin. tot available	wipe off, wash with soa g/kg ause a slight smarting of e effect is temporary.	ι by serial x-rays. EYES: ρ and water.	Currently not available 6.4 Food Chain Concentration F None 6.5 GESAMP Hazard Profile: Not

	7.1 Grades of Purity: Commercial
	7.2 Storage Temperature: Ambient
ts in Air: Currently not	7.3 Inert Atmosphere: No requirement
na Anonio Francia	7.4 Venting: Open (flame arrester)
ng Agents: Foam, dry rbon dioxide	7.5 IMO Pollution Category: Currently not available
ng Agents Not to Be	7.6 Ship Type: Currently not available
foam may cause	7.7 Barge Hull Type: Currently not available
-	The Barge fran Typer Carlonay net artanable
of Combustion	8. HAZARD CLASSIFICATIONS
pertinent	8.1 49 CFR Category: Flammable liquid
: Not pertinent	
mperature: Currently not	8.2 49 CFR Class: 3
ds: Not pertinent	8.3 49 CFR Package Group: III
urrently not available	8.4 Marine Pollutant: No
e Temperature: Currently	8.5 NFPA Hazard Classification: Not listed
o remperaturer euronay	8.6 EPA Reportable Quantity: Not listed.
Air to Fuel Ratio: Not	8.7 EPA Pollution Category: Not listed.
	8.8 RCRA Waste Number: Not listed
ture: Currently not	8.9 EPA FWPCA List: Not listed
plar Ratio (Reactant to pertinent.	9. PHYSICAL & CHEMICAL PROPERTIES
en Concentration for	9.1 Physical State at 15° C and 1 atm: Liquid
IOCC): Not listed	9.2 Molecular Weight: Not pertinent
	9.3 Boiling Point at 1 atm: Very high
AL REACTIVITY	9.4 Freezing Point: Not pertinent
Markan Mission Marka	9.5 Critical Temperature: Not pertinent
Nater: No reaction	9.6 Critical Pressure: Not pertinent
Common Materials: No	9.7 Specific Gravity: 0.8961 at 20°C (liquid)
Transport: Stable	9.8 Liquid Surface Tension: 29.8 dynes/cm =
ents for Acids and	0.0298 N/m at 24°C
pertinent	9.9 Liquid Water Interfacial Tension: 5.5
Not pertinent	dynes/cm = 0.0055 N/m at 22°C
merization: Not pertinent	9.10 Vapor (Gas) Specific Gravity: Not pertinent
	9.11 Ratio of Specific Heats of Vapor (Gas):
POLLUTION	Not pertinent
	9.12 Latent Heat of Vaporization: Not pertinent
: ailable	9.13 Heat of Combustion: (est.) -18,000 Btu/lb
ity: Currently not	= -10,000 cal/g = -420 X 10 <sup>5</sup> J/kg
ing: callenay her	9.14 Heat of Decomposition: Not pertinent
en Demand (BOD):	9.15 Heat of Solution: Not pertinent
ailable	9.16 Heat of Polymerization: Not pertinent
centration Potential:	9.17 Heat of Fusion: Currently not available
	9.18 Limiting Value: Currently not available
I Profile: Not listed	9.19 Reid Vapor Pressure: Currently not
	available
NOTE	3

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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
45 50 55 60 65 70 75 80 85 90 95 100 105 110 115	56.350 56.240 56.130 55.020 55.910 55.800 55.570 55.460 55.350 55.230 55.120 55.120 55.010 54.890 54.780	85 90 95 100 115 120 125 130 135 140 145 150	0.420 0.431 0.442 0.453 0.464 0.474 0.485 0.496 0.507 0.518 0.529 0.550 0.561	35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	0.920 0.919 0.918 0.917 0.916 0.915 0.914 0.913 0.912 0.911 0.910 0.909 0.908 0.907 0.906 0.907 0.906 0.905 0.904 0.903	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 74 76 78 80 82 82 84 86 88 90 92 94 96	45.490 43.080 40.810 38.680 33.790 33.020 31.340 29.770 28.280 25.560 24.310 23.140 22.020 20.970 19.980 19.040 18.150 17.310 16.510 15.760 15.040 14.360 13.720 13.110

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 L U B L E	55 60 65 70 75 80 85 90 95 100 100 100 110 110 115 120 125 130	0.434 0.464 0.529 0.564 0.601 0.639 0.679 0.721 0.764 0.810 0.857 0.906 1.009 1.063		N O T E R T I N E N T		N O T E R T I N E N T