

# OILS, MISCELLANEOUS: NEATSFOOT

ONF

CAUTIONARY RESPONSE INFORMATION				4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms	Oily liquid	Pale yellow	Peculiar odor	<p>4.1 Flash Point: 430°F C.C. 470°F C.C.</p> <p>4.2 Flammable Limits in Air: Not pertinent</p> <p>4.3 Fire Extinguishing Agents: Foam, dry chemical, or carbon dioxide</p> <p>4.4 Fire Extinguishing Agents Not to Be Used: Water or foam may cause frothing.</p> <p>4.5 Special Hazards of Combustion Products: Not pertinent</p> <p>4.6 Behavior in Fire: Not pertinent</p> <p>4.7 Auto Ignition Temperature: 828°F</p> <p>4.8 Electrical Hazards: Not pertinent</p> <p>4.9 Burning Rate: Currently not available</p> <p>4.10 Adiabatic Flame Temperature: Currently not available</p> <p>4.11 Stoichiometric Air to Fuel Ratio: Not pertinent</p> <p>4.12 Flame Temperature: Currently not available</p> <p>4.13 Combustion Molar Ratio (Reactant to Product): Not pertinent.</p> <p>4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed</p>	<p>7.1 Grades of Purity: Various grades designated by pour point (20°-40°); also various refined grades</p> <p>7.2 Storage Temperature: Ambient</p> <p>7.3 Inert Atmosphere: No requirement</p> <p>7.4 Venting: Currently not available</p> <p>7.5 IMO Pollution Category: D</p> <p>7.6 Ship Type: Data not available</p> <p>7.7 Barge Hull Type: Currently not available</p>
Call fire department. Notify local health and pollution control agencies. Protect water intakes.	Fire	Combustible. Extinguish with dry chemical, foam or carbon dioxide. Water may be ineffective on fire.	Exposure	Not harmful.	8. HAZARD CLASSIFICATIONS
Effect of low concentrations on aquatic life is unknown. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.	Water Pollution			<p>8.1 49 CFR Category: Not listed</p> <p>8.2 49 CFR Class: Not pertinent</p> <p>8.3 49 CFR Package Group: Not listed.</p> <p>8.4 Marine Pollutant: No</p> <p>8.5 NFPA Hazard Classification: Not listed</p> <p>8.6 EPA Reportable Quantity: Not listed.</p> <p>8.7 EPA Pollution Category: Not listed.</p> <p>8.8 RCRA Waste Number: Not listed</p> <p>8.9 EPA FWPCA List: Not listed</p>	9. PHYSICAL & CHEMICAL PROPERTIES
Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Burn; Absorb Clean shore line Salvage waterfowl	1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS	3. HEALTH HAZARDS	<p>9.1 Physical State at 15° C and 1 atm: Liquid</p> <p>9.2 Molecular Weight: Not pertinent</p> <p>9.3 Boiling Point at 1 atm: Very high</p> <p>9.4 Freezing Point: 32 to 14°F = 0 to -10°C = 273 to 263°K</p> <p>9.5 Critical Temperature: Not pertinent</p> <p>9.6 Critical Pressure: Not pertinent</p> <p>9.7 Specific Gravity: 0.915 at 16°C (liquid)</p> <p>9.8 Liquid Surface Tension: Currently not available</p> <p>9.9 Liquid Water Interfacial Tension: Currently not available</p> <p>9.10 Vapor (Gas) Specific Gravity: Not pertinent</p> <p>9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent</p> <p>9.12 Latent Heat of Vaporization: Not pertinent</p> <p>9.13 Heat of Combustion: Currently not available</p> <p>9.14 Heat of Decomposition: Not pertinent</p> <p>9.15 Heat of Solution: Not pertinent</p> <p>9.16 Heat of Polymerization: Not pertinent</p> <p>9.17 Heat of Fusion: Currently not available</p> <p>9.18 Limiting Value: Currently not available</p> <p>9.19 Reid Vapor Pressure: 0.1 psia</p>	5. CHEMICAL REACTIVITY
3.1 Personal Protective Equipment: Currently not available					6. WATER POLLUTION
3.2 Symptoms Following Exposure: May cause dermatitis in sensitive individuals (humans)					<p>6.1 Aquatic Toxicity: Currently not available</p> <p>6.2 Waterfowl Toxicity: Currently not available</p> <p>6.3 Biological Oxygen Demand (BOD): Currently not available</p> <p>6.4 Food Chain Concentration Potential: None</p> <p>6.5 GESAMP Hazard Profile: Not listed</p>
3.3 Treatment of Exposure: Currently not available					NOTES
3.4 TLV-TWA: Not listed.					
3.5 TLV-STEL: Not listed.					
3.6 TLV-Ceiling: Not listed.					
3.7 Toxicity by Ingestion: Grade 0; LD <sub>50</sub> above 15 g/kg					
3.8 Toxicity by Inhalation: Currently not available.					
3.9 Chronic Toxicity: Currently not available					
3.10 Vapor (Gas) Irritant Characteristics: Currently not available					
3.11 Liquid or Solid Characteristics: Currently not available					
3.12 Odor Threshold: Currently not available					
3.13 IDLH Value: Not listed.					
3.14 OSHA PEL-TWA: Not listed.					
3.15 OSHA PEL-STEL: Not listed.					
3.16 OSHA PEL-Ceiling: Not listed.					
3.17 EPA AEGL: Not listed					

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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	56.800	85	0.488	35	0.920	100	38.750
52	56.800	90	0.490	40	0.919		
54	56.800	95	0.492	45	0.918		
56	56.800	100	0.493	50	0.917		
58	56.800	105	0.495	55	0.916		
60	56.800	110	0.497	60	0.915		
62	56.800	115	0.498	65	0.914		
64	56.800	120	0.500	70	0.913		
66	56.800	125	0.502	75	0.912		
68	56.800	130	0.503	80	0.911		
70	56.800	135	0.505	85	0.910		
72	56.800	140	0.507	90	0.909		
74	56.800	145	0.508	95	0.908		
76	56.800	150	0.510	100	0.907		
78				105	0.906		
80				110	0.905		
82				115	0.904		
84				120	0.903		

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		70	0.042		N		N
N		75	0.049		O		O
S		80	0.057		T		T
O		85	0.065				
L		90	0.076		P		P
U		95	0.087		E		E
B		100	0.100		R		R
L		105	0.114		T		T
E		110	0.131		I		I
		115	0.149		N		N
		120	0.170		O		O
		125	0.193		T		T
		130	0.218		P		P
		135	0.247		E		E
		140	0.279		R		R
		145	0.314		T		T
		150	0.352		I		I
		155	0.395		N		N
		160	0.443		O		O
		165	0.495		T		T
		170	0.552		P		P
		175	0.615		E		E
		180	0.683		R		R
		185	0.758		T		T
		190	0.841		I		I
		195	0.930		N		N