

# OILS, EDIBLE: PEANUT

OPN

CAUTIONARY RESPONSE INFORMATION			
Common Synonyms	Oily liquid	Pale yellow	Weak peanut odor
Floats on water.			
Call fire department. Notify local health and pollution control agencies.			
Fire	Combustible. Extinguish with dry chemical, foam or carbon dioxide. Water may be ineffective on fire. Cool exposed containers with water.		
Exposure	Not harmful.		
Water Pollution	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.		

1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS
Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl	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 2.5 CAS Registry No.: Currently not available 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 9899
3. HEALTH HAZARDS	
<p>3.1 Personal Protective Equipment: Goggles or face shield.      3.2 Symptoms Following Exposure: None-is a food.      3.3 Treatment of Exposure: EYES: flush with water for at least 15 min.      3.4 TLV-TWA: Not listed.      3.5 TLV-STEL: Not listed.      3.6 TLV-Ceiling: Not listed.      3.7 Toxicity by Ingestion: None      3.8 Toxicity by Inhalation: Currently not available.      3.9 Chronic Toxicity: None      3.10 Vapor (Gas) Irritant Characteristics: None      3.11 Liquid or Solid Characteristics: None      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</p>	

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point: 640°F O.C. 540°F C.C. 4.2 Flammable Limits in Air: Currently not available 4.3 Fire Extinguishing Agents: Dry chemical, foam, or carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water or foam may cause frothing.	7.1 Grades of Purity: Currently not available 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available
4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Not pertinent 4.7 Auto Ignition Temperature: 833°F 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichiometric 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	8. HAZARD CLASSIFICATIONS
5. CHEMICAL REACTIVITY	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 8.5 NFPA Hazard Classification:
5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: No reaction 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	Category Classification Health Hazard (Blue)..... 0 Flammability (Red)..... 1 Instability (Yellow)..... 0
6. WATER POLLUTION	8.6 EPA Reportable Quantity: Not listed. 8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWP/CA List: Not listed
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: 0	9. PHYSICAL & CHEMICAL PROPERTIES
9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: Not pertinent 9.3 Boiling Point at 1 atm: Very high 9.4 Freezing Point: 28°F = -2°C = 271°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.919 at 20°C (liquid) 9.8 Liquid Surface Tension: 35.5 dynes/cm = 0.0355 N/m at 20°C 9.9 Liquid Water Interfacial Tension: 30 dynes/cm = 0.030 N/m at 70°C 9.10 Vapor (Gas) Specific Gravity: Not pertinent 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.) -16,000 Btu/lb = -8,870 cal/g = -371 X 10 <sup>3</sup> J/kg 9.14 Heat of Decomposition: Not pertinent 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: 0.1 psia	9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: Not pertinent 9.3 Boiling Point at 1 atm: Very high 9.4 Freezing Point: 28°F = -2°C = 271°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.919 at 20°C (liquid) 9.8 Liquid Surface Tension: 35.5 dynes/cm = 0.0355 N/m at 20°C 9.9 Liquid Water Interfacial Tension: 30 dynes/cm = 0.030 N/m at 70°C 9.10 Vapor (Gas) Specific Gravity: Not pertinent 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.) -16,000 Btu/lb = -8,870 cal/g = -371 X 10 <sup>3</sup> J/kg 9.14 Heat of Decomposition: Not pertinent 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: 0.1 psia

NOTES

# OILS, EDIBLE: PEANUT

OPN

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	57.740	40	0.493	50	1.179	50	3909.000
52	57.670	50	0.495	60	1.179	55	3027.000
54	57.600	60	0.497	70	1.179	60	2356.000
56	57.530	70	0.500	80	1.179	65	1842.000
58	57.460	80	0.502	90	1.179	70	1448.000
60	57.390	90	0.504	100	1.179	75	1142.000
62	57.320	100	0.506	110	1.179	80	905.500
64	57.250	110	0.509	120	1.179	85	720.799
66	57.190	120	0.511	130	1.179	90	576.199
68	57.120	130	0.513	140	1.179	95	462.399
70	57.050	140	0.515	150	1.179	100	372.599
72	56.980	150	0.518	160	1.179	105	301.399
74	56.910	160	0.520	170	1.179	110	244.699
76	56.840	170	0.522	180	1.179	115	199.299
78	56.770	180	0.524	190	1.179	120	163.000
80	56.700	190	0.526	200	1.179	125	133.699
82	56.630	200	0.529	210	1.179	130	110.099
84	56.560					135	90.940
86	56.490						
88	56.420						
90	56.350						
92	56.280						
94	56.210						
96	56.150						
98	56.080						
100	56.010						

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	35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	0.013 0.016 0.018 0.022 0.026 0.030 0.035 0.041 0.048 0.056 0.065 0.075 0.086 0.099 0.113 0.129 0.147 0.168		N O T P E R T I N E T		N O T P E R T I N E T