

# PETROLATUM

PTL

CAUTIONARY RESPONSE INFORMATION				4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms Petrolatum jelly Petroleum jelly Vaseline Yellow petrolatum	Thick liquid  Floats on water.	Dark brown, green, amber or white	Odorless	<p><b>4.1 Flash Point:</b> 360–430°F C.C.</p> <p><b>4.2 Flammable Limits in Air:</b> Currently not available</p> <p><b>4.3 Fire Extinguishing Agents:</b> Water, foam, dry chemical, or carbon dioxide</p> <p><b>4.4 Fire Extinguishing Agents Not to Be Used:</b> Not pertinent</p> <p><b>4.5 Special Hazards of Combustion Products:</b> Currently not available</p> <p><b>4.6 Behavior in Fire:</b> Currently not available</p> <p><b>4.7 Auto Ignition Temperature:</b> Currently not available</p> <p><b>4.8 Electrical Hazards:</b> Not pertinent</p> <p><b>4.9 Burning Rate:</b> Currently not available</p> <p><b>4.10 Adiabatic Flame Temperature:</b> Currently not available</p> <p><b>4.11 Stoichiometric Air to Fuel Ratio:</b> Not pertinent</p> <p><b>4.12 Flame Temperature:</b> Currently not available</p> <p><b>4.13 Combustion Molar Ratio (Reactant to Product):</b> Not pertinent.</p> <p><b>4.14 Minimum Oxygen Concentration for Combustion (MOCC):</b> Not listed</p>	<p><b>7.1 Grades of Purity:</b> USP, NF, technical (these vary in color and in melting point)</p> <p><b>7.2 Storage Temperature:</b> Ambient</p> <p><b>7.3 Inert Atmosphere:</b> No requirement</p> <p><b>7.4 Venting:</b> Open (flame arrester)</p> <p><b>7.5 IMO Pollution Category:</b> Currently not available</p> <p><b>7.6 Ship Type:</b> Currently not available</p> <p><b>7.7 Barge Hull Type:</b> Currently not available</p>
Keep people away. Call fire department. Avoid contact with liquid. Notify local health and pollution control agencies.					<b>8. HAZARD CLASSIFICATIONS</b>
<b>Fire</b>  Combustible. Extinguish with foam, dry chemical or carbon dioxide. Cool exposed containers with water.					<p><b>8.1 49 CFR Category:</b> Not listed</p> <p><b>8.2 49 CFR Class:</b> Not pertinent</p> <p><b>8.3 49 CFR Package Group:</b> Not listed.</p> <p><b>8.4 Marine Pollutant:</b> No</p> <p><b>8.5 NFPA Hazard Classification:</b> Not listed</p> <p><b>8.6 EPA Reportable Quantity:</b> Not listed.</p> <p><b>8.7 EPA Pollution Category:</b> Not listed.</p> <p><b>8.8 RCRA Waste Number:</b> Not listed</p> <p><b>8.9 EPA FWPCA List:</b> Not listed</p>
<b>Exposure</b>  LIQUID Irritating to eyes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water.					<b>9. PHYSICAL &amp; CHEMICAL PROPERTIES</b>
<b>Water Pollution</b>  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.					<p><b>9.1 Physical State at 15°C and 1 atm:</b> Grease</p> <p><b>9.2 Molecular Weight:</b> Not pertinent</p> <p><b>9.3 Boiling Point at 1 atm:</b> Very high</p> <p><b>9.4 Freezing Point:</b> 100–135°F = 38–57°C = 311–330°K</p> <p><b>9.5 Critical Temperature:</b> Not pertinent</p> <p><b>9.6 Critical Pressure:</b> Not pertinent</p> <p><b>9.7 Specific Gravity:</b> (est.) 0.865 at 60°C (liquid)</p> <p><b>9.8 Liquid Surface Tension:</b> Currently not available</p> <p><b>9.9 Liquid Water Interfacial Tension:</b> 35–50 dynes/cm = 0.035–0.050 N/m</p> <p><b>9.10 Vapor (Gas) Specific Gravity:</b> Not pertinent</p> <p><b>9.11 Ratio of Specific Heats of Vapor (Gas):</b> Not pertinent</p> <p><b>9.12 Latent Heat of Vaporization:</b> 97–100 Btu/lb = 54–63 cal/g = 2.3–2.6 X 10<sup>5</sup> J/kg</p> <p><b>9.13 Heat of Combustion:</b> Currently not available</p> <p><b>9.14 Heat of Decomposition:</b> Not pertinent</p> <p><b>9.15 Heat of Solution:</b> Not pertinent</p> <p><b>9.16 Heat of Polymerization:</b> Not pertinent</p> <p><b>9.17 Heat of Fusion:</b> Currently not available</p> <p><b>9.18 Limiting Value:</b> Currently not available</p> <p><b>9.19 Reid Vapor Pressure:</b> Very low</p>
<b>1. CORRECTIVE RESPONSE ACTIONS</b>  Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl	<b>2. CHEMICAL DESIGNATIONS</b>  2.1 CG Compatibility Group: 33; Miscellaneous Hydrocarbon Mixtures 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: 33510	<b>3. HEALTH HAZARDS</b>  3.1 Personal Protective Equipment: Goggles or face shield 3.2 Symptoms Following Exposure: None 3.3 Treatment of Exposure: EYES: wash with water. 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Grade 1; LD <sub>50</sub> = 5 to 15 g/kg 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: Odorless 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	<b>5. CHEMICAL REACTIVITY</b>  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	<b>6. WATER POLLUTION</b>  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: Not listed	<b>NOTES</b>

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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
136	53.060	135	0.478	130	0.804		
138	53.060	136	0.478	140	0.804		
140	53.060	137	0.478	150	0.804		
142	53.060	138	0.478	160	0.804		
144	53.060	139	0.478	170	0.804		
146	53.060	140	0.478	180	0.804		
148	53.060	141	0.478	190	0.804		
150	53.060	142	0.478	200	0.804		
152	53.060	143	0.478	210	0.804		
154	53.060	144	0.478	220	0.804		
156	53.060	145	0.478	230	0.804		
158	53.060	146	0.478	240	0.804		
160	53.060	147	0.478	250	0.804		
162	53.060	148	0.478	260	0.804		
164	53.060	149	0.478	270	0.804		
166	53.060	150	0.478	280	0.804		
168	53.060	151	0.478	290	0.804		
170	53.060	152	0.478	300	0.804		
172	53.060						

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		C U R R E N T L Y		C U R R E N T L Y		N O T P E R T I N E T
			N O T A V A I L A B L E		N O T A V A I L A B L E		