TURPENTINE

			1.1 Elech Boint: 05%5 C.C.	7.1 Grades of Busites Audit under a		
Common Synonyms Watery liquid D.D. turpentine Gum turpentine Suffate turpentine Suffate turpentine Turps Wood turpentine		Colorless Penetrating, unpleasant odor	 4.1 Flash Point: 95°F C.C. 4.2 Flammable Limits in Air: 0.8% (LEL) 4.3 Fire Extinguishing Agents: Foam, dry chemical, or carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water may be ineffective. 4.5 Special Hazards of Combustion Products: Not perfunet 	 7.1 Grades of Purity: A wide variety of grade purities are shipped. All have about the shazardous properties. 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: B 		
Avoid cont	le away. ition sources and call fire departmer act with liquid and vapor. health and pollution control agencie		 4.6 Behavior in Fire: Forms heavy black smoke and soot 4.7 Auto Ignition Temperature: 488°F 	7.6 Ship Type: 3 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS		
Fire	FLAMMABLE. Flashback along vapor trail may o Vapor may explode if ignited in an Extinguish with dry chemical, foan Water may be ineffective on fire. Cool exposed containers with wat	ccur. enclosed area. n, or carbon dioxide.	 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: 2.4 mm/min. 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 66.6 (calc.) 4.12 Flame Temperature: Currently not 	8.1 49 CFR Category: Flammable liquid		
Exposure		iting, headache, difficult ss. ficial respiration. n. d shoes. f water.	available 4.13 Combustion Molar Ratio (Reactant to Product): 18.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY 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)		
Water Pollution	or milk. Dangerous to aquatic life in high o Fouling to shoreline. May be dangerous if it enters wat Notify local health and wildlife offin Notify operators of nearby water i	er intakes. cials.	6. WATER POLLUTION 6.1 Aquatic Toxicity: 100 ppm/*/fish/toxic/fresh water *Time period not specified. 6.2 Waterfowl Toxicity: Currently not			
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain 2. CHEMICAL DESIGNATIONS Stop discharge Contain 2. CHEMICAL DESIGNATIONS Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl 2. CHEMICAL DESIGNATIONS 2. Chemical and Physical Treatment: Absorb 2. CHEMICAL DESIGNATIONS 2. Chemical and Physical Treatment: Absorb 2. GN Registry No: 8006-64-2 2. Chemical Protective Equipment: Organic canister or air-supplied mask; goggles or face shield; rubber gloves. 3. HEALTH HAZARDS 3. Personal Protective Equipment: Organic canister or air-supplied mask; goggles or face shield; rubber gloves. 3. Workson, respiratory distress. Liquid irritates skin. If ingested, can irritate the entire digestive system and may injure kidneys. If liquid is		Currently not available 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Bioaccumulation: T Damage to living resources: 2 Human Oral hazard: 1 Human Contact hazard: 11 Reduction of amenities: XX	 9.9 Liquid Water Interfacial Tension: 14 dynes/cm = 0.014 N/m at 22.7°C 9.10 Vapor (Gas) Specific Gravity: Not pertii 9.11 Ratio of Specific Heats of Vapor (Gas) Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent 9.14 Heat of Polymerization: Not pertinent 9.15 Heat of Solution: Not pertinent 9.16 Heat of Folymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: 0.26 psia 			
respiration EYES: flug 3.4 TLV-TWA: 100 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Ing 3.8 Toxicity by Ing 3.9 Chronic Toxici 3.10 Vapor (Gas) Ir system if p 3.11 Liquid or Solit cause sma	and oxygen if required. INGESTION h with water for at least 15 min. Sk ppm listed. ot listed. ot listed. ty: None "triant Characteristics: Vapors caus resent in high concentrations. The e of Characteristics: Minimum hazard. tring and reddening of the skin. Id: Currently not available 00 ppm IA: 100 ppm EL: Not listed.	se a slight smarting of the eyes or respiratory	N	OTES		

TURPENTINE

9 SATURATED I	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	
32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66	53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680 53,680	28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 55 54 56 58 60 62 64 66	0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411 0.411	32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66	1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040 1.040	46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 82 84 86 88 90 92 92 94 96	1.838 1.802 1.767 1.733 1.700 1.668 1.636 1.506 1.547 1.519 1.491 1.464 1.438 1.340 1.317 1.294 1.272 1.251 1.230 1.210 1.190 1.170	

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 95 100 105 110 115 120 125 130	0.525 0.561 0.597 0.636 0.676 0.876 0.807 0.854 0.903 0.954 1.007 1.061 1.118 1.177 1.237		N OT P E R T I N E N T		N O T P E R T I N E N T