N-AMYL METHYL KETONE

	CAUTIONARY RESP		IATION	4. FIRE HAZARDS	7. SHIPPING INFORMAT	
Common Synonyms Liquid 2-Heptanone 2-Ketoheptane Methyl amyl ketone Methyl pentyl ketone Pentyl methyl ketone		White slowly with water.	Penetrating fruity odor	 4.1 Flash Point: 117°F O.C. 102°F C.C. 4.2 Flammable Limits in Air: 1.11%-7.9% 4.3 Fire Extinguishing Agents: Dry chemical, actohol foam, carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water may be ineffective. 4.5 Special Hazards of Combustion 	7.1 Grades of Purity: Technical; Pure 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Ventilated (nat 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: D 7.6 Ship Type: Data not available	
Shut off ig Stay upwir Avoid cont Isolate and Notify loca	arge if possible. Keep people awa nition sources. Call fire departmen nd. Use water spray to "knock dov act with liquid and vapor. d remove discharged material. I health and pollution control agenc iter intakes.	it. wn" vapor.		Products: Currently not available 4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: 740°F 4.8 Electrical Hazards: Currently not available 4.9 Burning Rate: Currently not available	7.7 Barge Hull Type: Currently not ava 8. HAZARD CLASSIFICATIO 8.1 49 CFR Category: Flammable liqui 8.2 49 CFR Class: 3	
Fire	Combustible. Extinguish with dry chemicals, a Water may be ineffective on fire Cool exposed containers with w	э.	dioxide.	 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Currently not available 4.12 Flame Temperature: Currently not 	8.3 49 CFR Package Group: III 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classificatin Health Hazard (Blue)	
Exposure	CALL FOR MEDICAL AID. VAPOR Irritating to eyes, nose and thro- If inhaled will cause dizziness, h If in eyes, hold eyelids open and If breathing has stopped, give a If breathing is difficult, give oxyg	eadache, or difficult bre d flush with plenty of wa rtificial respiration.		available 4.13 Combustion Molar Ratio (Reactant to Product): Currently not available 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY	Flammability (Red)	
	LIQUID Irritating to skin and eyes. If swallowed will cause nausea or vomiting. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.			 Reactivity with Water: No reaction Reactivity with Common Materials: Will attack some forms of plastic. Stability During Transport: Stable Neutralizing Agents for Acids and Caustics: Not pertinent Polymerization: Not pertinent Inhibitor of Polymerization: Not pertinent 	 9. PHYSICAL & CHEMICA PROPERTIES 9.1 Physical State at 15° C and 1 atm 9.2 Molecular Weight: 114.19 9.3 Boiling Point at 1 atm: 304.7°F = 1 424.7°K 9.4 Freezing Point: -31°F = -35°C = 23 	
Water Pollution	Effect of low concentrations on Fouling to shoreline. May be dangerous if it enters w Notify local health and wildlife of Notify operators of nearby wate	aquatic life is unknown. ater intakes. fficials.		6. WATER POLLUTION 6.1 Aquatic Toxicity: Currently not available 6.2 Waterfowl Toxicity: Currently not available 6.3 Biological Oxygen Demand (BOD): 0.5	 9.5 Critical Temperature: Currently not 9.6 Critical Pressure: Currently not ava 9.7 Specific Gravity: 0.8204 at 15°C (ii 9.8 Liquid Surface Tension: 26.17 dyr 0.02617 N/m at 25°C 9.9 Liquid Water Interfacial Tension: 	
Collection Systems: Skim Chemical and Physical Treatment: Burn; Absorb Clean shore line Salvage waterfowl 3. HEALTH HAZARDS 3. Personal Protective Equipment: Gloves and goggles 3.2 Symptoms Following Exposure: Inhalation of concentrated vapor may have narcotic effect. Ingestion causes gastrointestinal disturbances. Contact with eyes causes irritation. Prolonged and		140 No.: 110-43-0 e No.: 127 ustrial Trade Classification: have narcotic effect. Ingestion ation. Prolonged and	Damage to living resources: 2 Human Oral hazard: 1 Human Contact hazard: 1 Reduction of amenities: X	82.7 cal/g = 3.46 X 10 ⁵ J/kg 9.13 Heat of Combustion: Currently n 9.14 Heat of Decomposition: Not per 9.15 Heat of Solution: Not pertinent 9.16 Heat of Polymerization: Not pert 9.17 Heat of Fusion: Currently not ava 9.18 Limiting Value: Currently not ava 9.19 Reid Vapor Pressure: Currently available		
 3.3 Treatment of E EYES: flux 3.4 TLV-TWA: 50 3.5 TLV-STEL: No 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Inh 3.9 Chronic Toxici 3.10 Vapor (Gas) In 3.11 Liquid or Soli 	t listed. tot listed. estion: Grade 2; oral LD ₅₀ = 1,67 lalation: Currently not available. ity: Currently not available. ity: Currently not available ritrath Characteristics: Currently not a old: 0.897 ppb; 49 ppb 00 ppm. WA: 100 ppm. TEL: Not listed. liling: Not listed.	fresh air. INGESTION: IN: flush affected areas 70 mg/kg (rat) not available	get medical attention.	NC	TES	

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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
30 35 40 45 50 55 60 65 70 75 80 85 90 95	52.020 51.870 51.730 51.580 51.430 51.290 51.140 50.990 50.540 50.540 50.540 50.240 50.100	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450 0.450	30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 250 260	0.995 0.985 0.967 0.967 0.958 0.949 0.940 0.931 0.922 0.903 0.894 0.885 0.894 0.885 0.858 0.858 0.848 0.839 0.830 0.821 0.812 0.812 0.812 0.812 0.812 0.812	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 71 71 72 73 74 75 76	0.895 0.889 0.883 0.872 0.866 0.861 0.856 0.850 0.845 0.845 0.845 0.845 0.845 0.845 0.845 0.844 0.835 0.824 0.814 0.805 0.805 0.805 0.805 0.795 0.795 0.795 0.795 0.786

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
34 36 38 40 42 44 48 50 52 54 56 58 58 60 62 64 66 68 70 72 74 74 76 78 80 82 84	0.430 0.430	70 80 90 100 110 120 130 140 150 160 170 180 200 210 220 230 240 250 260 270 280 290 300 310 320	0.072 0.099 0.134 0.181 0.242 0.319 0.418 0.541 0.696 0.888 1.123 1.411 1.760 2.181 2.684 3.285 3.995 4.833 5.815 6.960 8.290 9.828 11.600 13.630 15.940 18.580	70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320	0.00144 0.00194 0.00260 0.00344 0.00451 0.00586 0.00960 0.01215 0.01524 0.01898 0.02346 0.02862 0.03516 0.04264 0.06161 0.04264 0.06161 0.07348 0.08716 0.12090 0.12090 0.12090 0.14130 0.16460 0.19080 0.22040 0.25350	0 20 40 60 80 120 140 160 180 220 240 260 280 300 320 340 360 380 400 420 440	0.323 0.333 0.344 0.354 0.365 0.375 0.385 0.404 0.414 0.423 0.433 0.433 0.442 0.433 0.442 0.451 0.469 0.477 0.456 0.494 0.503 0.511 0.527