SEC-AMYL ACETATE

CAL							
•	UTIONARY RESPONSE INFORMATION						
Common Synonyms Banana oil Pear oil 2-Pentylacetate	s Watery liquid Colorless to yellow Banana odor Floats on water. Flammable, irritating vapor is produced.						
Shut off ignition Stop discharge i Avoid contact wi Stay upwind and Isolate and remo	sources and call fire department. if possible. Keep people away. if hi liquid and vapor; avoid inhalation. J use water spray to "knock down" vapor. ove discharged material. th and pollution control agencies.						
Fire FL Fla Var We Ext	er intakes. FLAMMABLE. Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed area. Wear goggles and self-contained breathing apparatus. Extinguish with dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective on fire. Cool exposed containers with water.						
VA Imi If If If If If If If If If If If If If	LL FOR MEDICAL AID. POR tating to eyes, nose and throat. haled, will cause nausea, headache or dizziness. we to fresh air. oreathing has stopped, give artificial respiration. oreathing is difficult, give oxygen. DUID tating to skin and eyes. move contaminated clothing and shoes. sh affected areas with plenty of water. IN EYES, hold eyelids open and flush with plenty of water.						
Pollution Ma	HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local health and pollution control officials. Notify operators of nearby water intakes.						
1. CORRECTIVE RES Stop discharge Contain Collection Syste Chemical and Pt	2.1 CG Compatibility Group: 34; Ester 2.2 Formula: CH:COOCH(CH:)CH:CH:C						
Organic vapor cl apparatus for gr 3.2 Symptoms Followin depresses the c occur. Ingestior 3.3 Treatment of Expos if needed. EYES shoes. Wash w nature. 3.4 TU-YWA: 125 ppm. 3.5 TLV-STEL: Not list 3.7 Toxicity by Ingestio 3.8 Toxicity by Inglastic 3.9 Chronic Toxicity. N 3.10 Vapor (Gas) Irritant system if presen	d. ed. m: Currently not available one Characteristics: Vapors cause a slight smarting of the eyes or respiratory ti in high concentrations. The effect is temporary. aracteristics: If spilled on clothing and allowed to remain, may cause smarting and skin. .08 ppm 26 ppm 25 ppm Vot listed.						

4. FIRE HAZARDS 7. SHIPPING INFORMATION lash Point: 89°F C.C. 7.1 Grades of Purity: Currently not available lammable Limits in Air: 1.00%-7.50% 7.2 Storage Temperature: Ambient Fire Extinguishing Agents: Water fog in conjuction with alcohol foam, dry chemical or carbon dioxide. 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available 7.5 IMO Pollution Category: C Fire Extinguishing Agents Not to Be Used: Water may be ineffective. 7.6 Ship Type: 3 Special Hazards of Combustion Products: When heated emits acrid fumes. 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS Sehavior in Fire: When exposed to flames can react vigorously with oxidizing material. 8.1 49 CFR Category: Flammable liquid Auto Ignition Temperature: 680°F-714°F. 8.2 49 CFR Class: 3 8.3 49 CFR Package Group: III 8.4 Marine Pollutant: No Electrical Hazards: Currently not 8.5 NFPA Hazard Classification: available Category Classification Health Hazard (Blue)...... 1 surning Rate: Currently not available Adiabatic Flame Temperature: Currently Flammability (Red)..... 3 not available Stoichometric Air to Fuel Ratio: Instability (Yellow)..... 0 Currently not available 8.6 EPA Reportable Quantity: Not listed Flame Temperature: Currently not 8.7 EPA Pollution Category: Not listed available 8.8 RCRA Waste Number: Not listed Combustion Molar Ratio (Reactant to Product): Currently not available 8.9 EPA FWPCA List: Yes Minimum Oxygen Concentration for Combustion (MOCC): Not listed 9. PHYSICAL & CHEMICAL PROPERTIES 5. CHEMICAL REACTIVITY 9.1 Physical State at 15° C and 1 atm: Liquid eactivity with Water: No reaction 9.2 Molecular Weight: 130.18 Reactivity with Common Materials: Not pertinent **9.3 Boiling Point at 1 atm:** 271.4°F = 133°C = 406.2°K Stability During Transport: Stable 9.4 Freezing Point: −95.44°F = −70.8°C = 202.4°K Neutralizing Agents for Acids and Caustics: Not pertinent 9.5 Critical Temperature: 619.0°F = 326.1°C = 599.3°K olymerization: Not pertinent nhibitor of Polymerization: Not pertinent 9.6 Critical Pressure: 411.6 psia = 28.0 atm = 2.83 MN/m² 6. WATER POLLUTION 9.7 Specific Gravity: 0.861-0.866 at 20°C 9.8 Liquid Surface Tension: 28.9 dynes/cm = Aquatic Toxicity: 65 ppm/96 hr/Mosquito fish/TLm/turbid 0.0289 N/m at 20°C water (mixed isomers) 53 ppm/24 hr/brine shrimp/TLm 9.9 Liquid Water Interfacial Tension: (est.) 44.1 dynes/cm = 0.0441 N/m at 20°C Naterfowl Toxicity: Currently not 9.10 Vapor (Gas) Specific Gravity: 4.5 available 9.11 Ratio of Specific Heats of Vapor (Gas): (est.) > 1 - 1.1 at 20°C (68°F) Biological Oxygen Demand (BOD): 53%, 5 days/70%, 15 days 62%, 10 days/80%, 20 days 9.12 Latent Heat of Vaporization: (est.) 128.9 Btu/lb = 71.7 cal/g = 3.0 X 10⁵ J/kg ood Chain Concentration Potential: **9.13 Heat of Combustion:** -14.402 Btu/lb = -8000 cal/g = -334.9 X 10⁵ J/kg None ESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 2 Human Oral hazard: 1 Human Contact hazard: 1 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 Reduction of amenities: X 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available NOTES

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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
625 650 675 770 775 800 825 850 875 900 925 950 975 1000 1025 1055 1100 1125 1150 1125 1150 1125 1150 1125 1150 1125 1250	18.647 17.026 15.405 13.784 12.163 10.542 7.301 5.680 4.059 2.438 0.817 0.804 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 10.529 8.150 7.771 5.392 3.013 2.633 20.254 19.875	68	0.702	68	7.188	619	0.028

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
	S L G H T L Y S O L U B L E	20 40 60 80 120 140 160 180 200 220 240 260	0.000 0.000 0.719 1.277 2.276 3.274 4.272 5.270 6.269 7.267 8.265 9.264	15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 115 110 115 120	0.00062 0.00072 0.00084 0.00098 0.00115 0.00134 0.00249 0.00249 0.00249 0.00249 0.00249 0.00340 0.00340 0.00341 0.00632 0.00738 0.00862 0.01007 0.01176 0.01374 0.01605	68	34.580