DI-N-AMYL PHTHALATE

CAUTIONARY RESPONSE INFORMATION			ר ר	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Liquid Diarnyl phthalate Dipentyl phthalate Floats on water. Phthalic acid, diarnyl ester Floats on water. Floats on water. Phthalic acid, dipentyl ester Shut off ignition sources. Call fire department Avoid contact with liquid and vapor.		White Odorless		 Flash Point: 245°F C.C. Flammable Limits in Air: Currently not available Fire Extinguishing Agents: Dry chemical, carbon dioxide Fire Extinguishing Agents Not to Be Used: Water or foam may cause frothing. Special Hazards of Combustion Products: Currently not available 	7.1 Grades of Purity: Technical 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed 8.2 49 CFR Class: Not pertinent 8.3 49 CFR Class: Not pertinent 8.4 Marine Pollutant: No		
Fire	Notify local health and pollution control agencies. Fire Combustible. Extinguish with dry chemicals or carbon dioxide. Water and foam may be ineffective on fire. Cool exposed containers with water.			4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: Currently not available 4.8 Electrical Hazards: Currently not available			
Exposure	CALL FOR MEDICAL AID. VAPOR Irritating to eyes, nose and throat. If inhaled will cause headache, coughing, or difficult breathing. If in eyes, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. LIQUID Irritating to skin and eyes. Harmful if swallowed. 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 CONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. Vater Illution May be dangerous if it enters water intakes. Notify local heath and wildlife officials. Notify operators of nearby water intakes.			 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 107.1 (calc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 31.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 	 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)0 Flammability (Yellow)0 8.6 EPA Reportable Quantity: Not listed. 8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed. 8.8 RCRA Waste Number: Not listed. 8.9 EPA FWPCA List: Not listed. 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 306 9.3 Boiling Point at 1 atm: Very high 9.4 Freezing Point: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.82 at 20°C (liquid) 9.8 Liquid Surface Tension: 31.5 dynes/cm = 0.0315 N/m at 20°C 9.9 Liquid Surface Tension: Currently not available 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.7 (Socily = 3.2 X 10° J/kg) 9.13 Heat of Combustion: -13,900 Btu/lb = -7,720 cat/g = -323 X 10° J/kg 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Polymerization: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.14 Heat of Decomposition: Not pertinent 9.16 Heat of Polymerization: Not pertinent 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 		
Water Pollution				 CHEMICAL REACTIVITY Reactivity with Water: No reaction Reactivity with Common Materials: May attack some forms of plastics Stability During Transport: Stable Stability During Transport: Stable Neutralizing Agents for Acids and Caustics: Not pertinent Polymerization: Not pertinent Inhibitor of Polymerization: Not pertinent 			
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl 2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed 2.2 Formula: Cel+4(COOC3+H+)2 2.3 IMOUND 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: 51385 3.1 Personal Protective Equipment: Goggles or face shield; rubber gloves 3.2 Symptoms Following Exposure: Inhalation of vapors from very hot material may cause headache, drowsiness, and convulsions. Hot vapors may irritate eyes. 3.3 Treatment of Exposure: INHALATION: move to fresh air. EYES: flush with water.				6. WATER POLLUTION 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: 2 Human Contact hazard: 11 Menetic Market Ma			
3.5 TLV-STEL: Not 3.6 TLV-Ceiling: N 3.7 Toxicity by Ing 3.8 Toxicity by Inh 3.9 Chronic Toxici 3.10 Vapor (Gas) Ir 3.11 Liquid or Solic 3.12 Odor Thresho 3.13 IDLH Value: N 3.14 OSHA PEL-ST 3.16 OSHA PEL-ST 3.16 OSHA PEL-ST 3.17 EPA AEGL: No	listed. estion: Currently not available alation: Currently not available. ty: Causes birth defects in rats (ske triant Characteristics: Currently not available of Characteristics: Currently not available of listed. VA: Not listed. EL: Not listed. tiling: Not listed. ot listed	letal and gross abnormalities) t available ilable		NOT	9.19 Keid Vapor Pressure: Currently not available		

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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
68	51.190		NOT PERTIZENT		NOT PERT-ZENT	70 75 80 85 90 95 110 115 120 135 135 140 145 155 160 165 170 175 180 185 190	33.740 30.130 26.970 24.190 21.730 19.570 17.650 15.950 14.440 13.100 11.900 10.820 9.864 9.004 8.231 7.536 6.909 6.343 5.832 5.369 4.950 4.569 4.223 3.907 3.620

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
68	0.010	125 130 135 140 145 150 155 160 165 170 175 180 185 190 200 205 210 210 215 220 225 230 235 240 245 250	0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.002 0.002	125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250	0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00001 0.00002 0.00003 0.00003 0.00003 0.00005 0.00005 0.00009		N O T P E R T I N E N T