DIPHENYL

	CAUTIONARY RESPO	INSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid Bibenzene Biphenyl Carolid AL Lermonene Phenador-X Phenylbenzene PHPH Tetrosin LY Xenene		Colorless to pale yellow Characteristic aromatic odor		Flash Point: 235°F C.C. Flammable Limits in Air: 0.6% @ 111°C to 5.8% @ 166°C Fire Extinguishing Agents: Carbon dioxide, dry chemical, alcohol foam, water spray. Fire Extinguishing Agents Not to Be Used: Currently not available Special Hazards of Combustion Products: Emits toxic fumes under fire conditions. Behavior in Fire: Currently not available	 7.1 Grades of Purity: 99% 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available 7.5 IMO Pollution Category: A 7.6 Ship Type: 1 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed 		
Keep people away. Call fire department. Avoid contact with liquid and solid. Notify local health and pollution control agencies. Protect water intakes.			4.7 / 4.8 4.9	Auto Ignition Temperature: 1004°F Electrical Hazards: Currently not available Burning Rate: Currently not available	 8.2 49 CFR Class: Not pertinent. 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: 		
Fire	Combustible Wear self-contained breathing apparatus and protective clothing. Extinguish with water, dry chemical, alcohol foam or CO ₂ . Cool exposed containers with water.			Adiabatic Flame Temperature: Currently not available Stoichometric Air to Fuel Ratio: 69.0 (calc.) Flame Temperature: Currently not available Computing Malar Patio (Reactant to	Category Classification Health Hazard (Blue)		
Exposure	CALL FOR MEDICAL AID. VAPOR, MIST OR DUST. Irritating to eyes, nose, throat and skin. Flush affected area with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water.			Sonduction Model Ratio (Reactain to Reactain to R	8.7 EPA Pollution Category: Not listed. 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Not listed 9. PHYSICAL & CHEMICAL		
	penny of water. SOLID OR LIQUID Irritating to skin and eyes, nose a Remove contaminated clothing an Flush affected areas with plenty IF IN EYES, hold eyelids open an plenty of water. If swallowed, do not induce vomit	and throat. nd shoes. water. d flush with ing.	5.1 Re 5.2 Re 5.3 Sta 5.4 Ne C 5.5 Po	Reactivity with Water: No reaction Reactivity with Common Materials: No reaction Stability During Transport: Stable Neutralizing Agents for Acids and Caustics: Not pertinent Polymerization: Will not occur	PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 154.21 9.3 Boiling Point at 1 atm: 491°F = 255°C = 528.2°K 9.4 Freezing Point: 156-161.6°F = 69-72°C = 342.2-345.2°K 9.5 Critical Temperature: Currently not available 9.6 Critical Pressure: Currently not available 9.7 Specific Gravity: 0.992 9.8 Liquid Surface Tension: Currently not available 9.9 Liquid Water Interfacial Tension: Currently		
Water Pollution	HARMFUL TO AQUATIC LIFE IN Fouling to shoreline. May be dangerous if it enters wal Notify local health and wildlife offi Notify operators of nearby water	VERY LOW CONCENTRATIONS. ter intakes. cials. intakes.	6.1 /	Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION Aquatic Toxicity: Currently not available Waterfowl Toxicity: Currently not			
1. CORRECTIVE Stop dische Contain Collection 3 Chemical a Clean shor Salvage wa	1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim; Pump Chemical and Physical Treatment: Burn Clean shore line Salvage waterfowl 2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: 32; Aromatic Hydrocarbon 2.2 Formula: CaHeCaHe 2.2 Formula: CaHeCaHe 3.1 MO(ND Designation: Currently not available 2.4 DOT ID No:: Not listed 2.5 CAS Registry No: 32-52-4 2.6 NAERG Guide No:: Not listed 2.7 Standard Industrial Trade Classification: 51129		6.3 6.4 6.5 (available Biological Oxygen Demand (BOD): Currently not available Food Chain Concentration Potential: Currently not available GESAMP Hazard Profile: Bioaccumulation: + Damage to living resources: 3 Human Oral hazard: 1 Human Contact hazard: 11 Reduction of amenities: XXX	not available 9.10 Vapor (Gas) Specific Gravity: 5.31 9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available 9.12 Latent Heat of Vaporization: Currently not available 9.13 Heat of Combustion: Currently not available 9.14 Heat of Decomposition: Currently not available 9.15 Heat of Polymerization: Currently not available		
 3.1 Personal Prote 3.2 Symptoms Fol mucous me paralysis a homoralitic fatigue, hes rare howey 3.3 Treatment of E breathing g INDUCE VC copious an 3.4 TLV-TWA: 0.2 (1) 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: Ni 3.7 Toxicity by Inh 3.9 Chronic Toxici 3.10 Vapor (Gas) In 3.10 Vapor (Gas) In 3.11 Liquid or Solid cause smail 3.12 Odor Thresho 3.13 OSHA PEL-ST 3.16 OSHA PEL-ST 3.16 OSHA PEL-ST 3.16 OSHA PEL-ST 3.17 EPA AEGL: No 	 HEALTH H A HEALTH H Iowing Exposure: Harmful if inhale mbrane and upper respiratory tract. Inorman and upper respiratory tract. Numbers and aching of limbs, and es. Chronic exposure is mostly char adache, tremor, insomnia, sensory i er. Stopsure: INHALATION: Call for m ive artificial respiration. If breathing DMITING. SKIN: Wash with scap a nounts of water for at least 15 minut ppm Listed. Listed. Currently not available. Currently not available. May cause nervous system dist iritant Characteristics: VAPORS car resent in high concentrations. The 4 Characteristics: Mark Nerver triant Characteristics: VAPORS car tring and reddening of skin. Currently not available 00 mg/m³ Va: 0.2 ppm EL: Not listed. Isted. Isted. Sted. Sted. Sted. Sted. Sted. Sted. Currently not available 0 mg/m³ Va: 0.2 ppm Listed. Isted. Isted. Sted. 	AZARDS verathing apparatus and protective equipment. d or swallowed. Causes irritation to eyes, skin and Causes central nervous system depression, se headache, diffuse gastrointestinal pain, nausea, general fatigue. Liver function test may show racterized by central nervous system symptoms, mpairment, and mood changes. Such symptoms are edical aid. Remove the victim to fresh air. If not js difficult give oxygen. INSESTION: DO NOT nd copious amounts of water. EYES: Flush with es. nouse) urbance and damage to liver. ause a slight smarting of the eyes or respiratory effect is temporary. I f spilled on clothing and allowed to remain, may		NOTE	9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: <0.001 psia 33		

DIPHENYL

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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
	C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE

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	159 213 243 307 329 357 400 445 491	0.019 0.097 0.387 0.774 1.160 1.934 3.867 7.735 14.696		C U R R E N T L Y N O T A V A I L A B L E	0 25 50 75 100 125 150 175 200 225 250 276 300 325 350 375 400 425 450 425 450 550 575 600	0.201 0.215 0.229 0.242 0.256 0.269 0.282 0.294 0.306 0.319 0.342 0.353 0.364 0.375 0.364 0.375 0.386 0.396 0.407 0.417 0.417 0.427 0.436 0.446 0.455 0.446 0.473