PHENYLHYDRAZINE

	CAUTIONARY RESI	ONSE INFORMATION	4. FIRE	HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Hydrazine-benzene Hydrazinobenzene Phenylhydrazine hydrochloride Phenylhydrazinium chloride Wear full impervious protective clothing and Shut off iomitine sources and cell fire dearth		oily Pale yellow Faint aromatic odor d approved respirator. ment.	 4.1 Flash Point: 190°F C.C. 4.2 Flammable Limits in Air: Currently not available 4.3 Fire Extinguishing Agents: Dry chemical, alcohol foam, carbon dioxide, or large quantities of coarse water spray 4.4 Fire Extinguishing Agents Not to Be Used: Not pertinent. 		 7.1 Grades of Purity: 97%: technical. 7.2 Storage Temperature: Ambient. 7.3 Inert Atmosphere: No requirement. 7.4 Venting: Not listed. 7.5 IMO Pollution Category: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 		
Notify loca	health and pollution control age Combustible. Wear full protective clothing w apparatus. Extinguish fire with dry chemic or large quantities of coarse v	ith self-contained breathing al, alcohol foam, carbon dioxide, rater spray.	4.5 Special Hazards Products: Irrita gases, such as carbon monoxid involved in fire. 4.6 Behavior in Fire spontaneously surfare or wher	of Combustion titing vapors and toxic nitrogen oxides and le, may be formed when : May ignite when spread on a large on air and in contact with	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: II 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)		
Exposure	CALL FOR MEDICAL AID. VAPOR Move victim to fresh air. If breathing has stopped, give If breathing is difficult, give ox LIQUID or SOLID Toxic. May be fatal if swallow Corrosive to skin and eyes. Remove contaminated clothin Wash affected areas with soc IF IN EYES, hold eyelids oper	artificial respiration. /gen. ed. g and shoes. p and water. and flush with plenty of water.	 Suitabe 0 waterial wood, or cloth. 4.7 Auto Ignition Te 4.8 Electrical Hazar forms of plastice (insulators). 4.9 Burning Rate: C 4.10 Adiabatic Flamm not available 4.11 Stoichometric A (calc.) 4.12 Flame Tempera 	man and in Concav with such as solid, asbestos, mperature: 345°F. ds: Will attack cork, some s, coatings, and rubber surrently not available e Temperature: Currently Air to Fuel Ratio: 47.6 ature: Currently not			
Water Pollution	Effect of low concentrations of May be dangerous if it enters Notify local health and wildlife Notify operators of nearby wa	n aquatic life is unknown. water intakes. officials. ler intakes.	available 4.13 Combustion Mo Product): 12.0 4.14 Minimum Oxyge Combustion (N	olar Ratio (Reactant to (calc.) en Concentration for MOCC): Not listed			
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Do not burn		2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.2 Formula: CoH-NHNH: 2.3 IMO/UN Designation: Currently not available 2.4 DOT ID No: 2572 2.5 CAS Registry No: 100-63-0 2.6 NAERG Guide No: 153 2.7 Standard Industrial Trade Classification: 51486	5. CHEMICA 5.1 Reactivity with V 5.2 Reactivity with V ignite spontane with oxidants su or nitric acid, ox manganese, lea 5.3 Stability During 5.4 Neutralizing Age Caustics: Not J 5.5 Polvmerization:	L REACTIVITY Nater: No reaction. common Materials: May pusly when in contact when as hydrogen peroxide kides of iron or copper, or id, copper or their alloys. Transport: Stable. ents for Acids and pertinent. Will not polymerize.	 9.3 Boiling Point at 1 atm: 471°F = 243.5°C = 516.5°K (with decomposition) 9.4 Freezing Point: 68°F = 19.6°C = 292.6°K 9.5 Critical Temperature: Currently not available 9.6 Critical Pressure: Currently not available 9.7 Specific Gravity: 1.0978 9.8 Liquid Surface Tension: Currently not available 9.9 Liquid Water Interfacial Tension: currentl not available 9.10 Vapor (Gas) Specific Gravity: 3.7 		
 HEALTH HAZARDS Personal Protective Equipment: Full impervious protective clothing, including boots and gloves. Where splashing is possible wear full face shield or chemical safety goggles. Use approved respirator to protect against vapors. Symptoms Following Exposure: Material is corrosive to tissue. Exposure can cause vomiting, darrhea, fatigue, headache, and irritation and itchiness of the eyes and skin. Treatment of Exposure: Get medical attention. Toxic. INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. EYES: Flush with water for at least 15 min., lifting lids occasionally. Contact lenses should not be worn when working with this chemical. SKIN: Remove contaminated clothing and shoes. Wash with soap and water. TLV-TWA: 0.1 ppm. TLV-STEL: Not listed. Toxicity by Ingestion: Grade 3; oral rat LDso = 188 mg/kg Toxicity by Ingestion: Currently not available. Chronic Toxicity: Repeated skin contact can cause skin sensitization and eczematous dermatitis with redness, swelling, and rash. Chronic and acute exposures may produce blood effects, live and kidney damage. Otayor (Gas) Irritant Characteristics: Vapors are moderately irritating such that personnel will not usually tolerate moderate or high concentrations. 111 Liquid or Solid Characteristics: Causes smarting of the skin and first-degree burns on short exposure; may cause second-degree burns on long exposure. 212 Odor Threshold: Currently not available 313 DLH Value: 15 ppm 314 OSHA PEL-STEL: Not listed. 316 OSHA PEL-STEL: Not listed. 317 EPA AEGL: Not listed. 317 EPA AEGL: Not listed. 			 3.6 inhibitor of Pays pertinent. 6. WATER 6.1 Aquatic Toxicity Currently not ave 6.2 Waterfowl Toxic available 6.3 Biological Oxyg- Currently not av 6.4 Food Chain Con Elioaccumulatio Damage to livin Human Contact Reduction of ar 	POLLUTION : illable ity: Currently not en Demand (BOD): 'ailable centration Potential: 'ailable 1 Profile: in: 0 ig resources: - tard: 2 t hazard: II nenities: XX NOTES	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 Solution: Currently not available 9.16 Heat of Polymerization: Not pertinent. 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 9.19 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
	CORRETIN NOT ANALAN		CURRENTLY NOT AVA-LABLE		CORRENT YON YON YITZER		CORRENT YON YON YITZER

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 I GHTLY SOLUBLE	77 161	0.001 0.019	77 161	0.00001 0.00031		CORRENTLY NOT 4>4-14BLE