3-NITROPHENOL

available

(CAUTION	ARY RESPO	INSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms 3-Hydroxynitrobenzene m-Nitrophenol		Crystalline solid Colorless to pale yellow Sinks and mixes with water.			 4.1 Flash Point: Not periinent (solid). 4.2 Flammable Limits in Air: Currently not available 4.3 Fire Extinguishing Agents: Currently not available 	 7.1 Grades of Purity: Currently not available 7.2 Storage Temperature: Currently not available 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available 7.5 IMO Pollution Category: B 		
Keep peopl Wear goggl Shut off ign Notify local Protect wat	e away. Avoid les, self-contain ition sources a health and poll er intakes	I contact with solid, on ned breathing appara and call fire departme ution control agencie	ust and vapor. Itus, and rubber overclothing (including gloves). nt. IS.		4.4 Fire Extinguishing Agents Not to Be Used: Currently not available 4.5 Special Hazards of Combustion Products: Dangerous toxic fumes of	7.6 Ship Type: 2 7.7 Barge Hull Type: Currently not available		
Fire	Fire data not available. POISONOUS GASES MAY BE PRODUCED WHEN HEATED. Wear goggles and self-contained breathing apparatus.				NOx 4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: Currently not available	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Keep Away From Food 8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: III		
Exposure	CALL FOR MEDICAL AID. SOLID OR DUST If inhaled, swallowed, or if skin is exposed, may cause headache, lethargy, nausea, and cyanosis. Irritating to eyes. Move to fresh air. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelide open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. If breathing has stopped, give artificial respiration. If breathing is difficult due ovvenn				 4.8 Electrical Hazards: Currently not available 4.9 Burning Rate: Currently not available 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 32.1 (calc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 9.5 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 	 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 100 pounds 8.7 EPA Pollution Category: B 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Yes 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 139.11 9.3 Boiling Point at 1 atm: At 70 mm Ha 381.2°F 		
Water Pollution	HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.				5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: Separate from combustible, organic, or	 = 194°C = 467.2°K 9.4 Freezing Point: 206.6°F = 97°C = 370.2°K 9.5 Critical Temperature: Currently not available 9.6 Critical Pressure: Currently not available 9.7 Specific Gravity: 1.485 at 20°C 1.2797 at 		
 CORRECTIVE RESPONSE ACTIONS Stop discharge Collection Systems: Dredge C CHEMICAL DESIGNATIONS C CG Compatibility Group: Not listed. Formula: HOC:HANO: MO/UN Designation: 6.1/1663 DOI D No.: 1663 DOI D No.: 1654 C Ka Registry No.: 554-84-7 Karde Guide No.: 153 C Standard Industrial Trade Classification: 51243 D Tokourines, and bige rule gloves, protective clothing and shoes, and self- contained breathing appartus. Second Protective Equipment: Wear butyl rubber gloves, protective clothing and shoes, and self- contained breathing appartus. Symptoms Following Exposure: INHALATION: Inhalation or ingestion causes headaches, drowsiness, nausea, and blue color in lips, ears, and finger nails (cyanosis). EYES: Contact with eyes causes initiation. SKIN: Can be absorbed through intact skin to give same symptoms as for inhalation. Treatment of Exposure: Call a physician. INHALATION: Remove victim to fresh air; give artificial respiration if needed. EYES: Flush with water for 15 minutes. SKIN: Wash contaminated areas with scap and water. INGESTION: Remove by gastric lavage or emesis and catharsis. TLV-TWA: Not listed. TLV-STEL: Not listed. Toxicity by Ingestion: Grade 2; LD₂₀ = 0.5 to 5 g/gg. 			:	other readly oxidizable materials. 5.3 Stability During Transport: Currently not available 5.4 Neutralizing Agents for Acids and Causties: Currently not available 5.5 Polymerization: Currently not available 5.6 Inhibitor of Polymerization: Currently not available 6. WATER POLLUTION 6.1 Aquatic Toxicity: 9 to 10 ppm/6-hour/MLD/Minnow/distilled water/22°C 20 to 22 ppm/6-hour/MLD/Minnow/hard water/22°C 6.2 Waterfowl Toxicity: Waterfowl should not be exposed to more than 25 ppm. 6.3 Biological Oxygen Demand (BOD): 4.2%, 0.94 days 6.4 Food Chain Concentration Potential: Currently not available 6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 3 Human Oral hazard: 1 Reduction of amenities: XX	 100°C (Liquid) 9.8 Liquid Surface Tension: Currently not available 9.9 Liquid Water Interfacial Tension: Currently not available 9.10 Vapor (Gas) Specific Gravity: 4.8 (Calculated) 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: -8515 Btu/lb = -4731 cal/g = -198 X 10³ J/kg 9.14 Heat of Decomposition: Currently not available 9.15 Heat of Polymerization: Currently not available 9.16 Heat of Folymerization: Currently not available 9.17 Heat of Polymerization: Currently not available 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 			
affect activ hyperplasia 3.10 Vapor (Gas) Irr 3.11 Liquid or Solid 3.12 Odor Threshol 3.13 IDLH Value: No 3.14 OSHA PEL-TM 3.15 OSHA PEL-Cei 3.17 EPA AEGL: No	ty of all organs of the spleen, itant Character I Characteristi d: Limit conce I Limit conce I Limit conce I Limit conce I Limot Characterist A: Not listed. L: Not listed tisted	and systems such a and hinders oxidate ristics : Currently no ics: Currently not av ntration-acceptable i.	is gastritis, enteritis, colitis, hepatitis, neuritis, n processes. I available illable idor concentration = 350.3 mg/l.		NOTE	1		

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9. SATURATED L	20 IQUID 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
212	79.889		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVA-LABLE

9. SOLUBILIT	24 Y 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
70 80 90 100 110 120 130 140 150 160 170 180 190 200	1.377 1.755 2.235 2.848 3.628 4.621 5.887 7.500 9.555 12.172 15.506 19.754 25.165 32.059	381	1.354		C U R R E N T L Y NOT A V A I L A B L E		CURRENTLY NOT AVA-LABLE