BENZOIC ACID

CAUTIONARY RESP	ONSE INFORMATION	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms enzenecarboxylic acid arboxylenzene racyclic acid Solid crystals or powder White Faint pleasant odor Sinks in water. Sinks in water. Sinks in water. Sinks in water. Keep people away. Avoid contact with solid and dust. Wear goggles and self-contained breathing apparatus. Stay upwind and use water spray to "knock down" dust. Call first department Sinks in water.		 4.1 Flash Point: 250°F C.C. 4.2 Flammable Limits in Air: Not pertinent 4.3 Fire Extinguishing Agents: Dry powder, chemical foam, water fog, carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: None 4.5 Special Hazards of Combustion Products: Not pertinent 4.6 Behavior in Fire: Vapor from molten 	7.1 Grades of Purity: USP, FCC grade: 99.5%- 100.5% 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: Currently not available 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available		
Isolate and remove discharged material. Notify local health and pollution control agencies. Protect water intakes.		with air. Concentrated dust may form explosive mixture. 4.7 Auto Ignition Temperature: 1063°F	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Not listed		
Fire Combustible. Vapor may explode if ignited in Dust may form explosive mixtu Extinguish with water, dry chem	an enclosed area. e with air. rical, chemical foam, or carbon dioxide.	 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently not available 	 8.2 49 CFR Class: Not pertinent 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: 		
Exposure CALL FOR MEDICAL AID. DUST Irritating to nose and throat if in Move to fresh air. SOLID Irritating to skin and eyes. Flush affected areas with plent IF IN EYES, hold eyelids open	haled. y of water. and flush with plenty of water.	 4.11 Stoichometric Air to Fuel Ratio: 35.7 (ccalc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 10.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 	Category Classification Health Hazard (Blue)		
Water Pollution HARMFUL TO AQUATIC LIFE May be dangerous if it enters w Notify local health and wildlife of	N VERY LOW CONCENTRATIONS. vater intakes. fficials.	5. CHEMICAL REACTIVITY 5.1 Reactivity with Water: Not pertinent 5.2 Reactivity with Common Materials: Not	9. PHYSICAL & CHEMICAL PROPERTIES		
Notity operators of nearby wat 1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Dredge	2. CHEMICAL DESIGNATIONS 2.1 CG Compatibility Group: Not listed. 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: Not listed 2.5 CAS Registry No.: 65-85-0 2.6 NAERG Guide No.: 153 2.7 Standard Industrial Trade Classification: 51129	S.2 Reatinity will common materials for pertinent S.3 Stability During Transport: Stable S.4 Neutralizing Agents for Acids and Caustics: Not pertinent S.5 Polymerization: Not pertinent S.6 Inhibitor of Polymerization: Not pertinent G. WATER POLLUTION G.1 Aquatic Toxicity: 200 ppm/7 hr/goldiist/viethal/fresh water 500 ppm/1 hr/solfish/viethal/fresh water S00 ppm/7 hr/goldiist/viethal/fresh water	 9.1 Physical State at 15° C and 1 atm: Solid 9.2 Molecular Weight: 122.12 9.3 Boiling Point at 1 atm: 480.6°F = 249.2°C = 522.4°K 9.4 Freezing Point: 252.1°F = 122.3°C = 395.5°K 9.5 Critical Temperature: 894.2°F = 479°C = 752.2°K 9.6 Critical Pressure: 660 psia = 45 atm = 4.6 MN/m² 2.7 Engine Conving 4.040 at 2020 (article) 		
 Personal Protective Equipment: Bureau of Mir eye protection and organic respirator for fun Symptoms Following Exposure: Dust may be i fumes may cause irritation of eyes, respirat Treatment of Exposure: Remove patient to fres TLV-STEL: Not listed. TLV-STEL: Not listed. Toxicity by Ingestion: Grade 2; LD∞ = 0.5 to 5 Toxicity by Inhalation: Currently not available. Okapor (Gas) Irritant Characteristics: Not pertin Liquid or Solid Characteristics: Minimum haza cause smarting and reddening of the skin. D 20 dor Threshold: Currently not available 10 Lyaper (Las) Not listed. Cover Threshold: Currently not available Loga PEL-TWA: Not listed. 	es dust respirator; when melted material present, use les. ritrating to nose and eyes. At elevated temperatures, ny system, and skin. ish air. EYE CONTACT: flush eyes with water. g/kg ent rd. If spilled on clothing and allowed to remain, may ust may irritate nose and eyes.	 6.3 Biological Oxygen Demand (BOD): 165%, 5 days 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Bioaccumulation: 0 Damage to living resources: 1 Human Oral hazard: 1 Human Contact hazard: 1 Reduction of amenities: X 	 9.9 Liquid Water Interfacial Tension: Not pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: Not pertinent 9.13 Heat of Combustion: Not pertinent 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: 33.89 cal/g 9.18 Limiting Value: Currently not available 9.19 Reid Vapor Pressure: Currently not available 		
3.15 OSHA PEL-Seiling: Not listed. 3.16 OSHA PEL-Ceiling: Not listed. 3.17 EPA AEGL: Not listed					

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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
	N O T		N O T		N O T		N O T
	T PERTINENT		T PERTINENT		T PERTINENT		T PERTINENT

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
77	0.340		N O T		N O T		N O T
			I P R T I N E N T		- PERTINENT		- PERT-NENT