P-BENZOQUINONE

	CAUTION	NARY RESPO	ONSE INFORMA	TION	
Common Synonyms		Solid, crystals	Yellow	Acrid, chlorine-	4.1 Flas
enzoquinone ,4-Benzoquinone				like, irritating, penetrating	4.2 Flan av
,4-Cyclohexadiene ,5-Cyclohexadiene					4.3 Fire
Quinone		Sinks and very slowly mixes with water.			dry lar
			ITH SOLID AND DUST.		4.4 Fire Us
protective	clothing.	reathing apparatus a	ind special		4.5 Spe Pre
Notify loca	I health and po	Call fire department llution control agenc	es.		fun
Protect wa	ater intakes.				4.6 Beh
Fire	Combustible. Poisonous or irritating gases may be produced in fire.				he: or
	Cylinder ma	y explode in heat of		am:	4.7 Auto
	large fires: v	water spray, fog or fo		,	4.8 Electronic available
		m maximum distance			4.9 Buri 4.10 Adi
Exposure	CALL FOR DUST	MEDICAL AID.			not
•	Poisonous;	may be fatal if inhale	d.		4.11 Sto (Ca
	Move victim	mucous membranes. 1 to fresh air.			4.12 Flai av
	If not breath If breathing	ing, give artificial re is difficult, give oxyg	spiration. en.		4.13 Cor
	SOLID				4.14 Min
	Poisonous;		owed or absorbed through s e eyes, skin and mucous n		Co
	IF IN EYES		with running water for at lea		5.
	Speed in re	moving material from	skin is of extreme importated clothing and shoes at the		5.1 Rea
	Effects may	be delayed; keep vi	ctim under observation. CONSCIOUS, have victim of		5.2 Rea
	volumes of	water and induce vo	niting.	-	att co
		except keep victim is t	INCONSCIOUS OR HAVIN arm.		5.3 Stat 5.4 Neu
Water			VERY LOW CONCENTRA	ATIONS.	Ca
Pollution		gerous if it enters wa health and wildlife of			5.5 Poly 5.6 Inhil
			2.2 Formula: CeH4O2 2.3 IMO/UN Designal 2.4 DOT ID No.: 258 2.5 CAS Registry No 2.6 NAERG Guide N. 2.7 Standard Indust 51629	tion: 6.1/2587 7 9.: 106-51-4	6.3 Biol Cu 6.4 Foo Cu 6.5 GES
clothing. 3.2 Symptoms Fo the skin. C mucous m and vesicl conjunctivi and scarrii cornea, sn 3.3 Treatment of I respiration water for a clothing an effects m victim drini	Ilowing Expos contact with sol embranes. Sym es. Necrosis m tis, photophobi g. Chronic eye nall corneal opa Exposure: INH- I foreathing is the last 15 min. I shoes at the ty be delayed; k large quantitic d shoes at the ty be delayed; k large quantitic to the state.	ture: Poisonous; ma id, vapor or solution ptoms include disco ay result from long e a, lacrymation and b e exposure causes g cities and damage i ALATION: Move vic cities and damage i ALATION: Move vic citificault, give oxyge ; hold eyelids open if site. Speed in remo keep vicitm under ob	pressure breathing apparat y be fatal if inhaled, swallo can cause severe local dai oration, severe irritation, e typosure. The ever may ex- urning sensations. The con radual brownish discolorati n corneal structure which c im to fresh air. If not breat n. EYES OR SKIN: Immedi necessary. Remove and i ing material from skin is of servation. INGESTION: If v se vomiting. If victim is unc irm.	wed or absorbed through mage to the skin and rythema, swelling, papules perience irritation, nea may suffer ulceration on of the conjunctiva and ause loss of visual acuity, hing, give artificial ately flush with running solate contaminated extreme importance. rictim is conscious, have onscious or having	

4. FIRE HAZARDS	7. SHIPPING INFORMATION
4.1 Flash Point: 195°F O.C.	7.1 Grades of Purity: 98%
171°F. O.C.; 77°C C.C. 4.2 Flammable Limits in Air: Currently not	7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Not listed
available 4.3 Fire Extinguishing Agents: Small fires:	7.4 Venting: Not pertinent
dry chemical, CO2, water spray or foam;	7.5 IMO Pollution Category: Currently not available
large fires: water spray, fog or foam.4.4 Fire Extinguishing Agents Not to Be	7.6 Ship Type: Currently not available7.7 Barge Hull Type: Currently not available
Used: Not pertinent 4.5 Special Hazards of Combustion Products: Contain irritating and toxic	8. HAZARD CLASSIFICATIONS
fumes, including carbon dioxide and carbon monoxide.	8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1
4.6 Behavior in Fire: Cylinder may explode in heat of fire. In powder form, it is capable	8.2 49 CFR Class: 6.1 8.3 49 CFR Package Group: II 8.4 Marine Pollutant: No
or producing a dust explosion. 4.7 Auto Ignition Temperature: 1040°F.	8.5 NFPA Hazard Classification:
4.8 Electrical Hazards: Currently not available	Category Classification Health Hazard (Blue)
4.9 Burning Rate: Currently not available	Health Hazard (Blue) 1 Flammability (Red) 2
4.10 Adiabatic Flame Temperature: Currently not available	Instability (Yellow) 1
4.11 Stoichometric Air to Fuel Ratio: 28.6	8.6 EPA Reportable Quantity: 10 pounds 8.7 EPA Pollution Category: A
(calc.) 4.12 Flame Temperature: Currently not	8.8 RCRA Waste Number: U197
available 4.13 Combustion Molar Ratio (Reactant to	8.9 EPA FWPCA List: Not listed
4.13 Combustion Molar Natio (Neactain to Product): 8.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed	9. PHYSICAL & CHEMICAL PROPERTIES
compusition (MOCC). Not instea	9.1 Physical State at 15° C and 1 atm: Solid
5. CHEMICAL REACTIVITY	9.2 Molecular Weight: 108.10
 Reactivity with Water: May react with water. 	9.3 Boiling Point at 1 atm: Not pertinent 9.4 Freezing Point: 240°F = 115.7°C = 389°K
5.2 Reactivity with Common Materials: Will	9.5 Critical Temperature: Currently not available
attack some forms of plastics, rubber and coatings.	9.6 Critical Pressure: Currently not available
5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and	9.7 Specific Gravity: 1.318 at 20°C9.8 Liquid Surface Tension: Not pertinent
Caustics: Not pertinent	9.9 Liquid Water Interfacial Tension: Not
5.5 Polymerization: Will not occur.5.6 Inhibitor of Polymerization: Not pertinent	pertinent 9.10 Vapor (Gas) Specific Gravity: 3.7
· · · · ·	9.11 Ratio of Specific Heats of Vapor (Gas):
6. WATER POLLUTION	Data not avaialble 9.12 Latent Heat of Vaporization: Not pertinent
6.1 Aquatic Toxicity: 5-10 mg/l/perch/LD ₅₀	9.13 Heat of Combustion: Currently not available
6.2 Waterfowl Toxicity: Currently not available	 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: -66.50 Btu/lb = -36.92
6.3 Biological Oxygen Demand (BOD):	$cal/g = -1.546X10^5 J/kg$
Currently not available 6.4 Food Chain Concentration Potential:	9.16 Heat of Polymerization: Not pertinent9.17 Heat of Fusion: Currently not available
Currently not available 6.5 GESAMP Hazard Profile: Not listed	9.18 Limiting Value: Currently not available
0.5 GESAWF Hazard Frome. Not insted	9.19 Reid Vapor Pressure: Not pertinent

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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
(degrees F)	CUR RENTLY NOT AVAILABLE	(degrees F)	N O T E R T I N E N T	(degrees F)	Per hour-square foot-F N O T P E R T I N E N T T T	(degrees F)	N O T P E R T I N E N T

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	1.500	68	0.002		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 NOT A V A I L A B L E