COUMAPHOS

(CAUTION	ARY RESPO		ΓΙΟΝ	ו	4. FIRE HAZARDS	7. SHIPPING INFORMATION		
Common Synonyms Solid Co-ral O,O-Diethyl-O-(3-chloro-4- methyl-2-ox-(2h)-1-benzopyran- 7-yl) phosphorothioate Solid sinks in wat		Solid Solid sinks in water	White Weak sulfurous odor water.			 Flash Point: Not pertinent (combustible solid) Flammable Limits in Air: Not pertinent Fire Extinguishing Agents: Water, foam, carbon dioxide, dry chemical Fire Extinguishing Agents Not to Be 	 7.1 Grades of Purity: 5-50% active ingredient, the balance being inert solids 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open 7.5 Intert Structure Category Computer Structure Structure 		
Call fire dep Avoid conta Notify local Protect wat	partment. act with solid ar health and poll aer intakes.	nd dust. ution control agencie	es.			Used: Not pertinent 4.5 Special Hazards of Combustion Products: Toxic and irritating oxides of sulfur and phosphorus may form in fires.	 7.6 Ship Type: Currently not available 7.7 Barge Hull Type: Currently not available 		
Fire	Combustible. Extinguish with water, foam, carbon dioxide or dry chemical.					 4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: Currently not available 4.8 Electrical Hazards: Not pertinent 	8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Poison 8.2 49 CFR Class: 6.1		
Exposure	CALL FOR MEDICAL AID. SOLID OR DUST Irritating to skin and eyes. Harmful if swallowed or inhaled. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWE and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm. If inhaled, move to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult due worgen.					 4.9 Burning Rate: Not pertinent 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: Not Pertinent 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): Not Pertinent 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed 	 8.3 49 CFR Package Group: II 8.4 Marine Pollutant: Yes 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 10 pounds 8.7 EPA Pollution Category: A 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 Weinbt: 362 5 		
Water Pollution	HARMFUL TO AQUATIC LIFE IN VERY LOW CONCENTRATIONS. Fouling to shoreline. 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: Currently not available 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent Caustics: Not pertinent	 9.3 Boiling Point at 1 atm: Not pertinent 9.4 Freezing Point: 199°F = 93°C = 366°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 1.474 at 20°C (solid) 9.8 Liquid Surface Tension: Not pertinent 		
1. CORRECTIVE RESPONSE ACTIONS Stop discharge Contain Collection Systems: Skim; Dredge			2. CHEMICAL I 2.1 CG Compatibility 2.2 Formula: CraHisC 2.3 IMO/UN Designat 2.4 DOT ID No. 2783 2.5 CAS Registry No. 2.6 NAERG Guide No 2.7 Standard Industr 51631	DESIGNATIONS Group: Not listed. IOSPS is: 66.72.4 :: 66-72-4 :: 152 ial Trade Classification:		5.5 Polymerrzation: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent 6. WATER POLLUTION 6.1 Aquatic Toxicity: 0.18 pm/96 hr/bluegil/TLm/fresh water 0.11 pm/48 hr/oyster larvae/TLm/salt water 6.2 Waterfowl Toxicity: 21.5 to 41.5 mg/kg	 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 		
 Personal Protective Equipment: Organic vapor Symptoms Following Exposure: Inhalation or in contracted publis of eyes, stomach pains, or as long as 12 hours after acute exposures. C cause same symptoms as inhalation. Irritates Treatment of Exposure: Get medical attention al sulfate and 2-PAM are antidotes. INHALATIC patient quiet until medical help arrives; observing of medicinal charcoal. EYES: flush wit and water. TU-TWA: Not listed. TU-Ceiling: Not listed. TuX-ETEL: Not listed. TuX-ETEL: Not listed. Ornoic Toxicity: Currently not available Odor Threshold: 0.02 ppm 10 Vapor (Gas) Irritant Characteristics: Currently of and PEL-STEL: Not listed. Odor Threshold: 0.02 ppm 13 DLH Value: Not listed. G SAA PEL-TWA: Not listed. So SHA PEL-STEL: Not listed. To SHA PEL-STEL: Not listed. The SHA PEL-STEL: Not listed. 			2.2 Standard Industrial Trade Classification: 51631 HAZARDS respirator; rubber gloves; goggles gestion causes sense of tightness in chest, sweating, miting, and diarrhea. Pulmonary edema may develop orhact with eyes causes inritation; overexposure may s kin. remove to fresh air; support respiration; keep re for development of pulmonary edema, even after water and agin induce vomting; give aqueous h water for at least 15 min. SKIN: wash with soap ug/kg (rat) hot available valiable			6.3 Biological Oxygen Demand (BOD): Currently not available 6.4 Food Chain Concentration Potential: None 6.5 GESAMP Hazard Profile: Not listed NOT	9.13 Heat of Combustion: Not pertinent 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Folymerization: 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		

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9. SATURATED L	20 IQUID DENSITY	9.21 LIQUID HEAT CAPACITY		9. LIQUID THERMA	22 L 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
	- PERTINENT		- PERTINER TINENT		- PERTINENT		- PERT-NENT

9. SOLUBILIT	24 Y IN WATER	9.25 SATURATED VAPOR PRESSURE		9. SATURATED V	26 APOR 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
(degrees F)	I N S O L B E E	(degrees F)	N O T E R T I N E N T	(degrees F)	N O T E R T I N E N T	(degrees F)	N P E R T I N E N T