

# FERROPHOSPHORUS

FPS

CAUTIONARY RESPONSE INFORMATION		4. FIRE HAZARDS	7. SHIPPING INFORMATION
Common Synonyms		<p><b>4.1 Flash Point:</b> Currently not available</p> <p><b>4.2 Flammable Limits in Air:</b> Currently not available</p> <p><b>4.3 Fire Extinguishing Agents:</b> Dry chemical, alcohol foam, or carbon dioxide.</p> <p><b>4.4 Fire Extinguishing Agents Not to Be Used:</b> Water.</p>	<p><b>7.1 Grades of Purity:</b> Technical grades, 18% or 25% phosphorus.</p> <p><b>7.2 Storage Temperature:</b> Ambient.</p> <p><b>7.3 Inert Atmosphere:</b> No requirement.</p> <p><b>7.4 Venting:</b> Not listed.</p> <p><b>7.5 IMO Pollution Category:</b> Currently not available</p> <p><b>7.6 Ship Type:</b> Currently not available</p> <p><b>7.7 Barge Hull Type:</b> Currently not available</p>
Keep people away. Avoid inhalation. Wear protective clothing and approved respirator. Notify local health and pollution control agencies.			
Fire	Wear full protective clothing with self-contained breathing apparatus. Extinguish fire with dry chemical, alcohol foam, carbon dioxide. Use water spray to cool exposed containers.		
Exposure	CALL FOR MEDICAL AID. DUST Move victim to fresh air. Remove contaminated clothing and shoes. Flush affected areas with water. IF IN EYES, hold eyelids open and flush with plenty of water. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen.	<p><b>4.5 Special Hazards of Combustion:</b> Products: Irritating vapors and toxic gases, such as phosphorus oxides or phosphoric acid, may be formed when involved in fire.</p> <p><b>4.6 Behavior in Fire:</b> Currently not available</p> <p><b>4.7 Auto Ignition Temperature:</b> Currently not available</p> <p><b>4.8 Electrical Hazards:</b> Not listed.</p> <p><b>4.9 Burning Rate:</b> Currently not available</p> <p><b>4.10 Adiabatic Flame Temperature:</b> Currently not available</p> <p><b>4.11 Stoichiometric Air to Fuel Ratio:</b> Not pertinent</p> <p><b>4.12 Flame Temperature:</b> Currently not available</p> <p><b>4.13 Combustion Molar Ratio (Reactant to Product):</b> Not pertinent</p> <p><b>4.14 Minimum Oxygen Concentration for Combustion (MOCC):</b> Not listed</p>	<p><b>8. HAZARD CLASSIFICATIONS</b></p> <p><b>8.1 49 CFR Category:</b> Not listed.</p> <p><b>8.2 49 CFR Class:</b> Not pertinent.</p> <p><b>8.3 49 CFR Package Group:</b> Not listed.</p> <p><b>8.4 Marine Pollutant:</b> No</p> <p><b>8.5 NFPA Hazard Classification:</b> Not listed</p> <p><b>8.6 EPA Reportable Quantity:</b> Not listed.</p> <p><b>8.7 EPA Pollution Category:</b> Not listed.</p> <p><b>8.8 RCRA Waste Number:</b> Not listed</p> <p><b>8.9 EPA FWPCA List:</b> Not listed</p>
Water Pollution	Effect of low concentrations on aquatic life is unknown. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.		
1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS	5. CHEMICAL REACTIVITY	9. PHYSICAL & CHEMICAL PROPERTIES
Stop discharge Collection Systems: Pump; Dredge Clean shore line	<p><b>2.1 CG Compatibility Group:</b> Not listed.</p> <p><b>2.2 Formula:</b> Alloy of iron and phosphorus</p> <p><b>2.3 IMO/UN Designation:</b> Currently not available</p> <p><b>2.4 DOT ID No.:</b> Not listed.</p> <p><b>2.5 CAS Registry No.:</b> 8049-19-2</p> <p><b>2.6 NAERG Guide No.:</b> Not listed</p> <p><b>2.7 Standard Industrial Trade Classification:</b> 67150</p>	<p><b>5.1 Reactivity with Water:</b> No reaction.</p> <p><b>5.2 Reactivity with Common Materials:</b> Currently not available</p> <p><b>5.3 Stability During Transport:</b> Stable.</p> <p><b>5.4 Neutralizing Agents for Acids and Caustics:</b> Not pertinent.</p> <p><b>5.5 Polymerization:</b> Will not polymerize.</p> <p><b>5.6 Inhibitor of Polymerization:</b> Not pertinent.</p>	<p><b>9.1 Physical State at 15° C and 1 atm:</b> Solid</p> <p><b>9.2 Molecular Weight:</b> Currently not available</p> <p><b>9.3 Boiling Point at 1 atm:</b> Currently not available</p> <p><b>9.4 Freezing Point:</b> Currently not available</p> <p><b>9.5 Critical Temperature:</b> Currently not available</p> <p><b>9.6 Critical Pressure:</b> Currently not available</p> <p><b>9.7 Specific Gravity:</b> Currently not available</p> <p><b>9.8 Liquid Surface Tension:</b> Currently not available</p> <p><b>9.9 Liquid Water Interfacial Tension:</b> Currently not available</p> <p><b>9.10 Vapor (Gas) Specific Gravity:</b> Currently not available</p> <p><b>9.11 Ratio of Specific Heats of Vapor (Gas):</b> Currently not available</p> <p><b>9.12 Latent Heat of Vaporization:</b> Currently not available</p> <p><b>9.13 Heat of Combustion:</b> Currently not available</p> <p><b>9.14 Heat of Decomposition:</b> Currently not available</p> <p><b>9.15 Heat of Solution:</b> Currently not available</p> <p><b>9.16 Heat of Polymerization:</b> Not pertinent.</p> <p><b>9.17 Heat of Fusion:</b> Currently not available</p> <p><b>9.18 Limiting Value:</b> Currently not available</p> <p><b>9.19 Reid Vapor Pressure:</b> Currently not available</p>
3. HEALTH HAZARDS	6. WATER POLLUTION	7. NOTES	
<p><b>3.1 Personal Protective Equipment:</b> Wear protective clothing to prevent contact with dust. Use approved respirator to protect against dust.</p> <p><b>3.2 Symptoms Following Exposure:</b> Exposure can cause irritation of eyes, nose and throat.</p> <p><b>3.3 Treatment of Exposure:</b> Get medical attention. 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. SKIN: Remove contaminated clothing and shoes. Flush with water.</p> <p><b>3.4 TLV-TWA:</b> Not listed.</p> <p><b>3.5 TLV-STEL:</b> Not listed.</p> <p><b>3.6 TLV-Ceiling:</b> Not listed.</p> <p><b>3.7 Toxicity by Ingestion:</b> Currently not available.</p> <p><b>3.8 Toxicity by Inhalation:</b> Currently not available.</p> <p><b>3.9 Chronic Toxicity:</b> Currently not available.</p> <p><b>3.10 Vapor (Gas) Irritant Characteristics:</b> Not pertinent.</p> <p><b>3.11 Liquid or Solid Characteristics:</b> Minimum hazard. If spilled on clothing and allowed to remain, may cause smarting and reddening of skin.</p> <p><b>3.12 Odor Threshold:</b> Currently not available.</p> <p><b>3.13 IDLH Value:</b> Not listed.</p> <p><b>3.14 OSHA PEL-TWA:</b> Not listed.</p> <p><b>3.15 OSHA PEL-STEL:</b> Not listed.</p> <p><b>3.16 OSHA PEL-Ceiling:</b> Not listed.</p> <p><b>3.17 EPA A EGL:</b> Not listed</p>	<p><b>6.1 Aquatic Toxicity:</b> Currently not available</p> <p><b>6.2 Waterfowl Toxicity:</b> Currently not available</p> <p><b>6.3 Biological Oxygen Demand (BOD):</b> Currently not available</p> <p><b>6.4 Food Chain Concentration Potential:</b> Currently not available</p> <p><b>6.5 GESAMP Hazard Profile:</b> Bioaccumulation: 0 Damage to living resources: - Human Oral hazard: II Human Contact hazard: II Reduction of amenities: XXX</p>		

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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
NOT PERTINENT			NOT PERTINENT		NOT PERTINENT		NOT 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
CURRENTLY NOT AVAILABLE			NOT PERTINENT		NOT PERTINENT		NOT PERTINENT