

**MATERIAL SAFETY DATA SHEET**  
(Complies with 29 CFR 1910.1200)**SECTION I**MAG-IT  
Box 1931, Simpsonville, SC 29681-1931  
(864) 963-7034

PRODUCT NAME:	Iron Phosphate	HMIS RATING
PRODUCT CODE:	0950	HEALTH: 3
CHEMICAL NAME:	Mixture	FLAMMABILITY: 0
CAS #: N/A		REACTIVITY: 0
MIXTURE (X)		PERSONAL PROTECTION: D
SINGLE SUBSTANCE ( )		

**SECTION II****HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENT	%	HAZARD DATA
Phosphoric Acid CAS 7664-38-2 UN 1760 Corrosive	15 - 25	1 mg/m <sup>3</sup>

**SECTION III****PHYSICAL DATA**

BOILING POINT: 212°F  
 SPECIFIC GRAVITY: 1.12  
 VAPOR PRESSURE: N/A  
 PERCENT VOLATILE BY VOLUME: 70%  
 VAPOR DENSITY: N/A  
 EVAPORATION RATE (H<sub>2</sub>O = 1): 1  
 SOLUBILITY IN WATER: Complete  
 APPEARANCE AND ODOR: Mild acidic odor, Clear bluish liquid.  
 pH AS RECEIVED: 3.5

**SECTION IV****FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED): Not Flammable  
 FLAMMABILITY LIMITS: LEL UEL  
 EXTINGUISHING MEDIA: Water, foam or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should use self-contained breathing apparatus when fighting fires in which this product is present.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product, when in contact with certain metals or strong oxidizers, can generate hydrogen gas and explosive mixtures with air may form. Water spray is the most effective firefighting technique in this scenario.

**SECTION V****HEALTH HAZARDS DATA**

THRESHOLD LIMIT VALUE: 1 mg/m<sup>3</sup>

EFFECTS OF OVEREXPOSURE: Phosphoric acid is corrosive and irritating to the mucous membranes of the eyes and respiratory tract. Prolonged skin contact can cause serious burns. Inhalation of acid fumes results in coughing, choking and inflammation of the respiratory tract. If irritation occurs additional ventilation may be needed. Do not ingest. Do not inhale. Do not get in eyes. Heavy concentrations of fumes may burn the eyes.

EMERGENCY FIRST AID PROCEDURES: Flush affected external areas with water for 15 minutes. Use neutralizer for acid products if available. Consult a physician immediately. If ingestion occurs, give water freely and consult a physician

immediately.

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**SECTION VI**  
**REACTIVITY DATA**

STABILITY:                    STABLE:X                    UNSTABLE:  
CONDITIONS TO AVOID: None  
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing substances, common metals, alkali or active metals, sulfides and sulfites which can form toxic gases in combination with this product.  
HAZARDOUS DECOMPOSITION PRODUCTS: H<sub>2</sub> gas is generated in contact with reactive metals such as aluminum, zinc and magnesium.  
HAZARDOUS POLYMERIZATION MAY OCCUR:                    WILL NOT OCCUR:X

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**SECTION VII**  
**SPILL OR LEAK PROCEDURES**

SPILL RESPONSE PROCEDURES: Small spills may be flushed with a large volume of water into the sewer system. Larger spills should be diked, absorbed on non-combustible absorbent such as kitty litter and then cover with bicarbonate of soda or an equal mixture of soda ash and slaked lime. Collect in a suitable container for disposal in accordance with appropriate regulations. Releases into surface waters may cause conspicuous foaming.

WASTE DISPOSAL METHOD: Collect in a suitable container and dispose of in accordance with local, state and federal regulations. Small spills may be absorbed on an appropriate media and disposed of in a landfill.

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**SECTION VIII**  
**SPECIAL PROTECTION INFORMATION**

EYE PROTECTION: Goggles or glasses and face shield  
RESPIRATORY PROTECTION: Acid approved vapor mask  
SKIN PROTECTION: Rubber gloves  
OTHER PROTECTION: Splash resistant apron  
VENTILATION RECOMMENDATION: Do not use in closed, unventilated spaces.

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**SECTION IX**  
**SPECIAL PRECAUTIONS**

HYGIENE PRACTICES IN HANDLING AND STORAGE: Inside storage that is dry and well ventilated. Do not store adjacent to oxidizing substances, common metals, alkali or active metals. Follow all recommended handling practices.

OTHER PRECAUTIONS: None

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**SECTION X**  
**PREPARER AND DISCLAIMER**

The information and recommendations contained herein are to the best of MAG-IT's knowledge and belief, accurate and reliable as of the date issued. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use of this product is beyond the control of MAG-IT, no guarantee, expressed or implied, is made by MAG-IT.

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