



Section 1. Product and Company Identification

Product Name Pyridoxal-5-Phosphate
CAS Number 41468-25-1

Parchem - fine & specialty chemicals

415 Huguenot Street
New Rochelle, NY 10801

(914) 654-6800 **(914) 654-6899**

parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Hazards not otherwise classified (HNOC): None identified

Caution: Avoid contact and inhalation.

Contact with the powder or its dusts may cause irritation of the eyes, skin, and respiratory tract.

Ingestion of large amounts may cause gastric disturbances. Sensitization may occur in some individuals.

Section 3. Composition / Information on Ingredients

Common Name Pyridoxal-5-Phosphate
Synonym(s) Pyridoxal-5-Phosphate Monohydrate
Formula $C_8H_{10}NO_6P$
CAS Number 41468-25-1

Section 4. First Aid Measures

Ingestion: If large amounts are ingested, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.



Eye Contact: Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

Skin Contact: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Special Procedures: None

Section 5. Firefighting Measures

Flash Point: Not available

Auto-ignition: Not available

Extinguishing Media: Use water fog, dry chemical extinguishing media, alcohol foam

Special Firefighting Procedures: Firefighter should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Fire and Explosions Hazards: Ensure adequate ventilation to minimize dusting.

Section 6. Accidental Release Measures

Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("superfund"). Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Section 7. Handling and Storage

General: Store at moderate temperatures in tight, light-resistant containers.

Handling: Refer to section 8.

Section 8. Exposure Controls / Personal Protection

Clothing: Gloves, coveralls, apron, and boots as necessary to prevent contact.

Eyes: Chemical goggles

Respiration: If dusts are generated, wear an approved dust respirator.

Ventilation: Use local exhaust to control dusts.

Explosion Proofing: None required.

Section 9. Physical and Chemical Properties

Color: White, slightly yellowish

Form/Appearance: Powder

Odor: Odorless

Specific Gravity: Not available

Bulk density: Not available

pH: 2.5 - 3.5

Boiling Point: Not available



Freezing Point: Not available
Decomposition Temperature: Not available
Solubility in Water Description: Sparingly soluble in water

Section 10. Stability and Reactivity

Stability: Stable
Incompatibility: None known.
Conditions/Hazards to Avoid: Avoid dust cloud formation

Hazardous Decomposition/Polymerization

Hazardous Decomposition Products: Toxic gases/vapors, containing chloride.

Polymerization: Does not occur

Corrosive Properties: Corrosive to metal

Oxidizer Properties: Not an Oxidizer

Section 11. Toxicological Information

Toxicology Test Data

Rat, Oral LD50: ~5900 mg/kg

Moderately Toxic

Acute Overexposure Effects: Contact with the eyes and skin may result in mechanical irritation. Inhalation of the dusts or mists may result in irritation of the respiratory tract. Ingestion may result in gastric disturbances. Sensitization may occur in some individuals.

Chronic Overexposure Effects: Overexposure may result in sensitization, leading to allergic reactions.

Section 12. Ecological Information

Inherent Biodegradability: Zahn-Wellens - Not available

Good Potential for Elimination

Inhibition of Activated Sludge - Not available

No inhibition

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.



Section 14. Transport Information

DOT Proper Shipping Name: N/A

DOT Technical Name: N/A

DOT Primary Hazard Class: N/A

DOT Secondary Hazard Class: N/A

DOT Label Required: N/A

DOT Placard Required: N/A

DOT Poison Constituent: N/A

Bill of Lading Description: Not regulated by the Department of Transportation

Section 15. Regulatory Information

TSCA Inventory Status

Listed on inventory: Yes

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/27/2015

