

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification**Product Name** PYRIDOXAL-5-PHOSPHATE MONOHYDRATE**Commercial Name** N/A**Product Use** N/A**Restrictions On Use** N/A**Product Code** 30-5184**Company** PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300**Section 2: Hazard(s) Identification****OSHA Haz Com:** N/A**CFR 1910.1200****Signal Word** NON-HAZARDOUS**Hazard Statement(s)** N/A**Pictogram(s) or Symbol(s)****Precautionary Statement(s):****Prevention** N/A**Response** N/A**Storage** N/A**Disposal** N/A**Section 3: Composition/Information on Ingredients****Substance/Mixture** SUBSTANCE**Components** Pyridoxal-5-Phosphate monohydrate**% By Weight** N/A**CAS#** 41468-25-1**Molecular Weight** 265.18G/MOL**Chemical Formula** C₈H₁₀NO₆P H₂O**Synonym(s)** N/A**Mixtures**

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Pyridoxal-5-Phosphate monohydrate	41468-25-1	N/A	N/A	N/A

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	Never give anything by mouth an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	The most important known symptoms and effects are described in the labelling
Delayed	The most important known symptoms and effects are described in the labelling
Immediate Medical Attention	
Consult a physician. Show this safety data sheet to the doctor in attendance.	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Unsuitable Extinguishing Media	N/A
Products of Combustion	Carbon oxides, nitrogen oxides (NOx)
Firefighters Special Equipment and Precautions	Wear self-contained breathing apparatus for fire-fighting if necessary

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing dust and aerosols. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8 Environmental precautions : Do not let product enter drains Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation dust and aerosols. Conditions for safe storage, including any incompatibilities: Store room temperature. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday .
Engineering Controls	N/A
Personal Protection	Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standard such as NIOSH (US) or EN 166 (UE). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the standard EN 374. Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEKP3 (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

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Section 9: Physical and Chemical Properties

Appearance	Form: crystalline, powder Color: yellow		
Odor	N/A		
Odor Threshold	N/A		
Melting Point	140-145C	pH	N/A
Freezing Point	N/A	Vapor Pressure	N/A
Boiling Point/Range	N/A	Vapor Density	N/A
Decomposition temperature	N/A	Viscosity	N/A
Partition Coefficient: n-octanol/water	N/A	Evaporation Rate	N/A
Flash Point	N/A	Autoignition temperature	N/A
Flammability	N/A	Flammability or Explosive Limits:	
		Lower	N/A
		Upper	N/A
Solubility(ies)	Slightly soluble in water, soluble in alkaline solutions		
Other	The alkaline solution are yellow, while the acid solution are colorless		

Section 10: Stability and Reactivity

Reactivity	It is stable under conditions of use recommended
Chemical Stability	N/A
Hazardous Polymerization	N/A
Conditions to Avoid	N/A
Incompatible Materials	N/A
Hazardous Decomposition Products	N/A

Section 11: Toxicological Information**RTECS** N/A**Acute Toxicity**

LD50 oral rats - 5900 mg/Kg LD50 subcutaneous rats - 850 mg/Kg

Skin Corrosion/Irritation

N/A

Serious Eye Damage/Irritation

N/A

Respiratory or Skin Sensitization

N/A

Germ Cell Mutagenicity

N/A

Carcinogenicity

N/A

Reproductive Toxicity

N/A

Routes of Entry

N/A

Symptoms Related to Exposure

N/A

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Potential Health Effects

N/A

Target Organ(s)

N/A

Section 12: Ecological Information**Ecotoxicity**

N/A

Persistence and Degradability

N/A

Bioaccumulative Potential

N/A

Mobility in Soil

N/A

Other Adverse Effects

Product could cause long-term adverse effects in the aquatic environment (the product probably is little biodegradable, it is slightly soluble in water). Releases to the environment should be avoided

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non- recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as unused product

Other Considerations

N/A

Section 14: Transport Information**DOT Classification**

UN number :ADR/RID: - IMDG: - IATA: - UN proper shipping name: ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods Transport hazard class(es) :ADR/RID: - IMDG: - IATA: - Packaging group: ADR/RID: - IMDG: - IATA: - Environmental hazards :ADR/RID: - IMDG: Marine Pollutant: no IATA: -

Section 15: Regulatory Information**Regulations**

N/A

Other

N/A

Section 16: Other Information

N/A