


Section 1: Identification

Common Name/Trade Name	PYRIDOXAL-5-PHOSPHATE	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	PYRIDOXAL 5'-MONOPHOSPHATE PYRIDOXAL 5'-PHOSPHATE PYRIDOXAL 5-PHOSPHATE PYRIDOXAL-5-PHOSPHORIC ACID VITAMIN B6 3-hydroxy-2-methyl-5-((phosphonoxy)methyl)-4-pyridinecarboxaldehyd 3-hydroxy-2-methyl-5-[(phosphonoxy)methyl]-4-pyridinecarboxaldehyd apolonb(sub6) apolonb6	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Skin Irritation, Category 2. Eye Irritation, Category 2.	
Signal Word	Warning	
Hazard Statement(s)	H315 H319	Causes skin irritation Causes serious eye irritation
Pictogram(s)		
Precautionary Statement(s)	P280 P302+P352 P304+P340 P305+P351+P338 P405	Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN Wash with soap and water. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Store locked up.
Hazards Not Otherwise Classified	Not applicable	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	3-HYDROXY-2-METHYL-5-([PHOSPHONOXY]METHYL)-4-PYRIDINECARBOXALDEHYDEMONOHYDRATE
Common Name	Pyridoxal-5-Phosphate
CAS Number	41468-25-1
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Indication of the immediate medical attention and special treatment needed: Increased difficulty in breathing.
If Inhaled	Obtain medical attention. Remove patient from exposure. Give oxygen if breathing difficult. Apply artificial respiration if necessary.
In Case of Skin Contact	Obtain medical attention. Remove contaminated clothing immediately and wash affected skin with water or soap and water.
In Case of Eye Contact	Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.
If Swallowed	Obtain immediate medical attention. If swallowed, rinse mouth with water (only if the person is conscious).
Most Important Symptoms and Effects	Irritation, Coughing, Increased difficulty in breathing.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, alcohol resistant foam or waterspray. As appropriate for surrounding fire. Unsuitable Extinguishing Media Do not use water jet.
Special Hazards Arising From the Substance/Mixture	Not available
Special PPE and/or Precautions for Firefighters	Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Put on protective clothing. Avoid inhalation of dusts.
Methods and Materials Used for Containment	Do not allow to enter drains, sewers or watercourses.
Cleanup Procedures	Vacuum or sweep up spilled material. Avoid generation of dust. Transfer to a lidded container for disposal or recovery. To be disposed of as hazardous waste.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of dusts. Follow the principles of good occupational hygiene to control personal exposures.
Conditions for Safe Storage	Keep container tightly closed, dry and in a cool well-ventilated place. Keep away from heat and sources of ignition. Store in well-closed, light-resistant container. Storage Life Two years. Incompatible materials Not available. Other information Avoid prolonged storage. Use as soon as possible.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	LTEL (8 hr TWA mg/m ³) LTEL (8 hr TWA mg/m ³) WEL: Workplace Exposure Limit (UK HSE EH40) 10 mg/m ³ (Respirable Dust) 4 mg/m ³ (Inhalable Dust)
Appropriate Engineering Controls	Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded. General hygiene measures for the handling of chemicals are applicable.
PPE - Eye/Face Protection	Safety spectacles. Minimum standard EN166.
PPE - Skin Protection	Plastic or rubber gloves Minimum standard EN374-3. Apron or other light protective clothing and boots.
PPE - Body Protection	Plastic or rubber gloves Minimum standard EN374-3. Apron or other light protective clothing and boots.
PPE - Respiratory Protection	Provide adequate ventilation, including appropriate local extraction. Where engineering controls are not fitted or inadequate wear suitable respiratory protective equipment. A suitable dust mask or dust respirator with filter type P (EN143 or EN405) may be appropriate.

Section 9: Physical and Chemical Properties

Appearance	Physical State: Solid Appearance: Slightly yellow or off-white
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Not available
Vapor Pressure	Not available
Odor Threshold	No data available
Vapor Density	Not available
pH	2.6~3.0
Relative Density	No data available
Melting Point/Freezing Point	140~145 deg C
Solubility	Not available
Initial Boiling Point and Boiling Range	Not available
Flash Point	No data available
Evaporation Rate	Not available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	Not available
Viscosity	Not available

Section 10: Stability and Reactivity

Reactivity	This product may discolor on exposure to light.
Chemical Stability	Stable under normal temperatures and pressures. May discolor on exposure to light.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Incompatible materials, light, dust generation, excess heat, strong Oxidants.
Incompatible Materials	Oxidizing agents, strong acids, strong bases. Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, oxides of phosphorus, irritating and toxic fumes and gases, carbon dioxide, nitrogen.
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Ingestion LD50 :> 5000 mg/kg (rat)
Acute Toxicity - Inhalation	No information available
Acute Toxicity - Dermal	No information available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	Dust may cause irritation
Serious Eye Damage/Irritation	Dust may have irritant effect on eyes
Respiratory or Skin Sensitization	No information available
Germ Cell Mutagenicity	No information available
Carcinogenicity IARC	No information available
Carcinogenicity ACGIH	No information available
Carcinogenicity NTP	No information available
Carcinogenicity OSHA	No information available
Reproductive Toxicity	No information available
Specific Target Organ Toxicity - Single Exposure	Inhalation : Dust is irritant to the respiratory tract. Coughing Ingestion : No information available
Specific Target Organ Toxicity - Repeated Exposure	available STOT-repeated exposure No information available.
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	No information available.
Persistence and Degradability	No information available.
Bio-accumulative Potential	No information available.
Mobility in Soil	No information available.
Other Adverse Effects	No information available.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Material to be disposed of as hazardous waste. Incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste. Consult an accredited waste disposal contractor or the local authority for advice.
Waste Treatment Methods Packaging	Material to be disposed of as hazardous waste. Incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste. Consult an accredited waste disposal contractor or the local authority for advice.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

EU regulations Authorisations and/or restrictions on use None anticipated. National regulations None assigned. Chemical Safety Assessment No Chemical Safety Assessment (CSA) has been carried out

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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