


## Section 1: Identification

<b>Common Name/Trade Name</b>	PYRIDOXAL-5-PHOSPHATE	
<b>Supplier Information</b>	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	<b>IN CASE OF EMERGENCY:</b> Chemtrec 1 (800) 424-9300 (24 hours)
<b>Product Synonym(s)</b>	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	
<b>Relevant Use(s) of Product</b>	Manufacture or Compounding of Substances	

## Section 2: Hazards Identification

<b>Classification of Substance or Mixture</b>	Skin Irritation, Category 2. Eye Irritation, Category 2.	
<b>Signal Word</b>	Warning	
<b>Hazard Statement(s)</b>	H315 H319	Causes skin irritation Causes serious eye irritation
<b>Pictogram(s)</b>		
<b>Precautionary Statement(s)</b>	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.
<b>Hazards Not Otherwise Classified</b>	Not applicable	
<b>Ingredient(s) with Unknown Toxicity</b>	No data available	

## Section 3: Composition/Information on Ingredients

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

## Section 4: First Aid Measures

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

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	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.
<b>Special Hazards Arising From the Substance/Mixture</b>	Not available
<b>Special PPE and/or Precautions for Firefighters</b>	Self-contained breathing apparatus to be worn if involved in fire. Water spray should be used to cool containers

## Section 6: Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Put on protective clothing. Avoid inhalation of dusts.
<b>Methods and Materials Used for Containment</b>	Do not allow to enter drains, sewers or watercourses.
<b>Cleanup Procedures</b>	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

<b>Precautions for Safe Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of dusts. Follow the principles of good occupational hygiene to control personal exposures.
<b>Conditions for Safe Storage</b>	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

<b>Components with Workplace Control Parameters</b>	LTEL (8 hr TWA mg/m <sup>3</sup> ) LTEL (8 hr TWA mg/m <sup>3</sup> ) WEL: Workplace Exposure Limit (UK HSE EH40) 10 mg/m <sup>3</sup> (Respirable Dust) 4 mg/m <sup>3</sup> (Inhalable Dust)
<b>Appropriate Engineering Controls</b>	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.
<b>PPE - Eye/Face Protection</b>	Safety spectacles. Minimum standard EN166.
<b>PPE - Skin Protection</b>	Plastic or rubber gloves Minimum standard EN374-3. Apron or other light protective clothing and boots.
<b>PPE - Body Protection</b>	Plastic or rubber gloves Minimum standard EN374-3. Apron or other light protective clothing and boots.
<b>PPE - Respiratory Protection</b>	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

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

## Section 10: Stability and Reactivity

<b>Reactivity</b>	This product may discolor on exposure to light.
<b>Chemical Stability</b>	Stable under normal temperatures and pressures. May discolor on exposure to light.
<b>Possibility of Hazardous Reactions</b>	None known.
<b>Conditions to Avoid</b>	Incompatible materials, light, dust generation, excess heat, strong Oxidants.
<b>Incompatible Materials</b>	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.
<b>Hazardous Decomposition Products</b>	Not available.

## Section 11: Toxicological Information

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

## Section 12: Ecological Information

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

## Section 13: Disposal Considerations

<b>Waste Treatment Methods Product</b>	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.
<b>Waste Treatment Methods Packaging</b>	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.
<b>Special Precautions Landfill or Incinerations</b>	No data available
<b>Other Information</b>	No data available

## Section 14: Transport Information

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

<b>Additional Information</b>	N/A
<b>Prepared By</b>	Scarlotte Smith
<b>Revision Date</b>	05/01/2020 16:27

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