



Section 1. Product and Company Identification

Product Name Pyridoxine Hydrochloride
CAS Number 58-56-0

Parchem - fine & specialty chemicals

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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

GHS Classification

Acute Toxicity - Oral: (Category 5)

GHS Label Elements

Pictograms: N/A

Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

May be harmful if swallowed

Precautionary Statements

Prevention

Not applicable

Response

Not applicable

Storage

Not applicable

Disposal

Not applicable

Section 3. Composition / Information on Ingredients

Common Name Pyridoxine Hydrochloride
Synonym(s) 3,4-pyridinedimethanol, 5-hydroxy-6-methyl-, hydrochloride
Formula $C_8H_{11}NO_3 \cdot HCl$
CAS Number 58-56-0

COMPONENT	CAS NUMBER	CONCENTRATION
Pyridoxine Hydrochloride	58-56-0	100% wt.

Section 4. First Aid Measures

Eye Contact: Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid

Skin Contact: Wash with soap & water for 15 minutes. If irritation persists seek medical aid

Ingestion: Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

Symptoms and Effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Section 5. Firefighting Measures

Specific hazards arising from the chemical: Not applicable

Flammable Properties: May be combustible at high temperature

Hazardous Combustion Products: Under fire conditions, hazardous fumes will be present

Extinguishing Media

Small fire: dry chemical, CO₂ or water spray.

Large fire: dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.

Protective equipment and precautions for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

Section 6. Accidental Release Measures

Personal Precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust

Methods & material for containment: On land, sweep or shovel into suitable containers. Minimize generation of dust.

Cleanup Procedure: Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains

Section 7. Handling and Storage

Precautions for Safe Handling: Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

Storage Conditions: Preserve in tight, light-resistant containers

Section 8. Exposure Controls / Personal Protection

Exposure Controls

OSHA PEL

TWA: Not listed

Ceiling: Not listed

Skin Designation: Not listed

AIHA WEEL

8hr TWA: Not listed

Ceiling: Not listed

Safe Work Australia HSIS

TWA: Not listed

STEL: Not listed

Exposure Guidelines: Consult local authorities for provincial or state exposure limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Specific Engineering Controls: Adequate mechanical ventilation. Fume hood, eye wash station, and safety shower.

Section 9. Physical and Chemical Properties

Physical State: Solid

Description: White to practically white crystals or crystalline powder. Is stable in air and is slowly affected by light.

Solubility: Freely soluble in water, slightly soluble in alcohol; insoluble in ether.

Odor: Not available

Flammability: May be combustible at high temperature

Odor Threshold: Not available

pH: Not available

Melting Point: 214°C, 417.2°F

Boiling Point: Not available

Freezing Point: Not available

Flash Point: Not available

Specific Gravity: Not available

Evaporation Rate: Not available

Explosive Limit: Not available

Upper flammable/explosive limits: Not available

Lower flammable/explosive limits: Not available

Vapor Pressure: Not available

Vapor Density (Air = 1): Not available

Relative density (water = 1): Not available

Log p (octanol-water): Not available

Auto-Ignition temperature: Not available

Decomposition Temperature: 214°C, 417.2°F

Viscosity: Not available

Section 10. Stability and Reactivity

Reactivity: Not established

Stability: Stable under recommended storage conditions

Materials To Avoid: Strong oxidants

Hazardous decomposition products: Toxic fumes of carbon monoxide, carbon dioxide and other gases may occur

Hazardous Polymerization: Will not occur

Possibility of hazardous reaction: Not established

Conditions To Avoid: Moisture, sunlight and extreme temperatures

Section 11. Toxicological Information

Acute Toxicity

Oral: Rat: LD50: 4000 mg/kg

Skin Corrosion/Irritation: Not available

Serious eye damage/eye irritation: Not available

Respiratory or skin sensitization: Not available

Germ Cell Mutagenicity: Not available

Carcinogenicity

OSHA: Pyridoxine Hydrochloride is not listed.

NTP: Pyridoxine Hydrochloride is not listed.



IARC: Pyridoxine Hydrochloride is not evaluated.

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Reproductive Toxicity: Not available

Specific Target Organ Toxicity - Single Exposure: Not available

Specific Target Organ Toxicity - Repeated Exposure: Not available

Aspiration Hazards: Not available

Signs and symptoms of exposure: Not expected to present a significant hazard under anticipated conditions of normal use.

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation

Notes: Long-term use of large doses of pyridoxine is associated with the development of severe peripheral neuropathies.

Section 12. Ecological Information

Toxicity: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

Other Adverse Effects: Not available

This product is not intended to be released into the environment

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

United States & Canada: Not dangerous good

Australia: Not dangerous good

Environmental Hazards: Not available

Special Shipping Information: Not applicable

Section 15. Regulatory Information

CERCLA 40 CFR Part 302.4: Not listed
SARA (Title III) 40 CFR Part 372.65: Not listed
EPA 40 CFR Part 355 Appendix A: Not listed
EPA 40 CFR Part 355 Appendix B: Not listed

Right-to-know

Pennsylvania: Not listed
New Jersey: Not listed
Massachusetts: Not listed

California Prop 65: Not listed

Australian Regulations

Poisons and Therapeutic Goods Regulation: Not listed
Therapeutic Goods Act: Not listed
Code of Practices - Illicit Drug Precursors: Not listed

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: 11/30/2015