

Material Safety Data Sheet (MSDS)

Product Name: Vitamin B6

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
1101- City Centre 2,
Science City Road,
Sola Ahmedabad Gujarat,
India - 380060.

Contact No.: +91 97272 88479

Email: info@rawpharmabiz.com

Website: www.rawpharmabiz.com

1. Identification of the Substance/Preparation and Company

- **Product Name:** Vitamin B6 (Pyridoxine Hydrochloride)
- **Synonyms:** Pyridoxine HCl, Pyridoxine Hydrochloride
- **Molecular Formula:** C₈H₁₁NO₃·HCl
- **Recommended Use:** Nutraceutical, pharmaceutical intermediate, food additive, dietary supplement.
- **Supplier:** Rawpharma Biz (as above)

2. Hazards Identification

- Not classified as hazardous under normal handling conditions.
- May cause mild irritation to eyes, skin, or respiratory tract in sensitive individuals.
- Excessive ingestion may cause neurological disturbances.

3. Composition/Information on Ingredients

- **Chemical Name:** Pyridoxine Hydrochloride
- **CAS Number:** 58-56-0
- **Purity:** ≥ 98%

4. First Aid Measures

- **Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. Seek medical advice if large amounts are ingested.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical powder, foam, carbon dioxide.
- **Special Hazards:** Emits toxic fumes of nitrogen oxides and hydrochloric acid when heated strongly.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep up and collect in suitable containers for disposal.
- Ensure adequate ventilation.
- Wash spill area with water.

7. Handling and Storage

- **Handling:** Avoid contact with eyes, skin, and clothing. Avoid dust inhalation.
- **Storage:** Store in a tightly closed container, in a cool, dry, and well-ventilated area. Protect from light and moisture.

8. Exposure Controls / Personal Protection

- **Respiratory Protection:** Dust mask recommended if airborne concentration is high.
- **Eye Protection:** Safety goggles.
- **Skin Protection:** Gloves and protective clothing.
- **Engineering Controls:** Adequate ventilation.

9. Physical and Chemical Properties

- **Appearance:** White to off-white crystalline powder
- **Odor:** Odorless
- **pH (1% solution):** 2.5 – 3.5
- **Solubility:** Freely soluble in water
- **Melting Point:** 205 – 210 °C (decomposition)
- **Molecular Weight:** 205.64 g/mol

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions.
- **Incompatible Materials:** Strong oxidizing agents, strong bases.
- **Hazardous Decomposition Products:** Nitrogen oxides, hydrogen chloride fumes on combustion.

11. Toxicological Information

- **Acute Toxicity (oral, rat):** LD50 > 4,000 mg/kg
- **Irritation:** May cause slight irritation to eyes and respiratory tract.
- **Chronic Exposure:** Excessive intake may cause sensory neuropathy.

12. Ecological Information

- Not expected to be harmful to the environment at normal concentrations.
- Biodegradable and non-bioaccumulative.

13. Disposal Considerations

- Dispose of in accordance with local, regional, national, and international regulations.
- Avoid release into sewers or natural waterways.

14. Transport Information (Detailed)

- **UN Number:** Not applicable (Non-hazardous for transport)
- **UN Proper Shipping Name:** Vitamin B6 / Pyridoxine Hydrochloride
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable
- **Labeling Requirements:** No specific hazard labels required
- **Road/Rail (ADR/RID):** Not regulated
- **Air Transport (IATA/ICAO):** Not regulated, can be transported as non-dangerous goods
- **Sea Transport (IMDG):** Not regulated, stable under normal shipping conditions
- **Precautions for Transport:**
 - Keep container tightly closed.
 - Protect from direct sunlight, heat, and moisture.
 - Avoid contact with incompatible substances during transit.
 - Ensure packaging is secure and not prone to damage.

15. Regulatory Information

- Not classified as hazardous according to EU Regulation (EC) No. 1272/2008 (CLP).
- FDA-approved as a vitamin supplement.
- Listed in pharmacopeias (USP, BP, IP).

16. Other Information

- The information provided is believed to be accurate and represents the best knowledge currently available.
- This MSDS is intended as a safety guide and does not represent a guarantee of product properties.
- Users should conduct their own risk assessment before use.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.