MATERIAL SAFETY DATA SHEET
PYRIDOXINE HYDROCHLORIDE

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Pyridoxine hydrochloride
Synonyms: Vitamin B6; 5-Hydroxy-6-methyl-3,4-pyridinedimethanol; Adermin hydrochloride
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel: +91 22 2687 2601
Fax: +91 22 2687 8241
Website: www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>%</th>
<th>EINECS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>58-56-0</td>
<td>Pyridoxine hydrochloride</td>
<td>98%</td>
<td>200-386-2</td>
</tr>
</tbody>
</table>

3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Irritating to eyes, respiratory system and skin.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic:

4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.
Antidote:
### 5 - FIRE FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### 6 - ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

### 7 – HANDLING AND STORAGE

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39°F.)

### 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

**Personal Protective Equipment**

- **Eyes:** Wear chemical splash goggles.
- **Skin:** Wear appropriate protective gloves to prevent skin exposure.
- **Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- **Respirators:** Follow the 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.

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State:</strong></td>
<td>Crystalline powder</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>white - almost white</td>
</tr>
<tr>
<td><strong>Melting Point:</strong></td>
<td>205-212 deg C</td>
</tr>
<tr>
<td><strong>Molecular Formula:</strong></td>
<td>C₈H₁₁NO₃.HCl</td>
</tr>
<tr>
<td><strong>Molecular Weight:</strong></td>
<td>205.64</td>
</tr>
</tbody>
</table>
10 - STABILITY AND REACTIVITY

**Chemical Stability:** Light sensitive.

**Conditions to Avoid:** Incompatible materials, light.

**Incompatibilities with Other Materials:** Strong oxidizing agents, bases.

**Hazardous Decomposition Products:** Hydrogen chloride, chlorine, nitrogen oxides, carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Will not occur.

11 - TOXICOLOGICAL INFORMATION

**RTECS#:** CAS# 58-56-0: UV1350000

**LD50/LC50:**
- Oral, mouse: LD50 = 5500 mg/kg;
- Oral, rat: LD50 = 4 gm/kg

**Carcinogenicity:** Pyridoxine hydrochloride - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

12 - ECOLOGICAL INFORMATION

Not available

13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14 - TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
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15 - REGULATORY INFORMATION

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** XI

**Risk Phrases:** R 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:** S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.S 37/39 Wear suitable gloves and eye/face protection.

**WGK (Water Danger/Protection)CAS# 58-56-0: 1**

**Canada**

CAS# 58-56-0 is listed on Canada's DSL List

**US Federal**
TSCA CAS# 58-56-0 is listed on the TSCA Inventory.

16 - ADDITIONAL INFORMATION

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