MATERIAL SAFETY DATA SHEET
CETIRIZINE HYDROCHLORIDE MSDS

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cetirizine Hydrochloride
Catalog Code: 1000012
CAS #: 83881-52-1
Synonym: Cetirizine dihydrochloride; [2-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]acetic acid dihydrochloride
Chemical formula: C_{21}H_{25}ClN_{2}O_{3}.2HCl
Contact Information:
PADM Laboratories Pvt. Limited,
#453/A, 12th Cross, 4th Phase,
Peenya Industrial Area,
Bangalore-560058
Karnataka, India.
Phone: 080-28368182

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>%by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cetirizine Hydrochloride</td>
<td>83881-52-1</td>
<td>100</td>
</tr>
</tbody>
</table>

SECTION 3: HAZARDS IDENTIFICATION

Potential acute health effects: Not available
Potential chronic health effects:
Carcinogenic effects: Not available
Mutagenic effects: Not available
Teratogenic effects: Not available
Developmental toxicity: Not available

SECTION 4: FIRST AID MEASURES

Eye contact: Get medical attention if irritation develops and persists.

Skin contact: Get medical attention if irritation develops and persists.

Serious skin contact: Not available

Inhalation: Move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.

Serious Inhalation: Not available

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth thoroughly.

Serious ingestion: Not available

SECTION 5: FIRE AND EXPLOSION DATA

Flammability of the Product: Not available

Auto-Ignition Temperature: Not available.

Flash point: Not available

Flammable limits: Not available

Products of Combustion: Not available

Fire Hazards in presence of various substances: Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Special remarks on Fire Hazards: Not available
Fire Fighting Media and Instructions:

**SMALL FIRE**: Use DRY chemical powder.

**LARGE FIRE**: Use water spray, fog or foam. Do not use water jet.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small spill**: Not available

**Large spill**: Not available

### SECTION 7: HANDLING AND STORAGE

**Precautions**: As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

**Storage**: Store in tight container as defined in the USP-NF. This material should be handled and stored per including any incompatibilities label instructions to ensure product integrity.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls**: Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogatematerials.

**Personal Protection**:

**Eye/face protection**: Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

**Hand protection**: Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

**Respiratory protection**: Where respirators are deemed necessary to reduce or control occupational
exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

Other: For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

Personal Protection in Case of a large spill: Not available

Exposure Limits: Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES


Odor: Not available.

Taste: Not available.

Molecular Weight: 461.81

Color: Not available.

pH (1% soln/water): 1.2 - 1.8 (5% aqueous solution)

Boiling Point: Not available

Melting Point: 437 °F (225 °C)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff: Not available.

Ionicity (in water): Not available.

Dispersion properties: Not available.

Solubility: Practically insoluble in acetone and in methylene chloride.
SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** The product is stable

**Instability Temperature:** Not available

**Conditions of Instability:** Not available

**Incompatibility with various substances:** None known.

**Corrosivity:** Not available

**Special Remarks on Corrosivity:** Not available

**Special Remarks on Reactivity:** Not available.

**Polymerization:** Not available

SECTION 11: TOXICOLOGICAL INFORMATION

**Route of Entry:** Not available

**Toxicity to Animals:** Not available

**Chronic Effects on Humans:** Not available

**Other Toxic Effects on Humans:** Not available

**Special Remarks on Toxicity to Animals:** Not available

**Special Remarks on chronic Effects on Humans:** Not available

**Special Remarks on other Toxic Effects on Humans:** Not available

SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No ecotoxicity data noted for the ingredient(s).

**BOD5 and COD:** Not available

**Products of Biodegradation:** Not available

**Toxicity of the products of Biodegradation:** Not available
Special Remarks on the products of Bio degradation: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not regulated as a hazardous material by DOT.
Identification: Not available
Special provision for Transports: Not available

SECTION 15: OTHER REGULATORY INFORMATION

Federal and state Regulations: CERCLA/SARA Hazardous Substances - Not applicable. One or more components are not listed on TSCA.

Other Regulation:

Other Classifications:
WHMIS (Canada): Not available
DSCL (EEC): Not available
HMIS (U.S.A): Not available

Health Hazard:
Reactivity: Not available
Personal protection: Not available
National Fire Protection Association (U.S.A): Not available
Health: Not available
Flammability: Not available
Reactivity: Not available
Specific hazard: Not available
Protective Equipment: Not available

SECTION 16: OTHER INFORMATION

References: Not available

Other Special Considerations: Not available

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