Section I - Identification

Product Identifier: Promethazine HCl
Product Number: P-044

Manufacturer: Cerilliant Corporation
911 Paloma Drive, Suite A
Round Rock, TX 78685

Phone: 512-310-5100
FAX: 512-238-8129
Emergency (ChemTec): 703-527-3837

Section II - Hazard Information

Target Organs: Central nervous system

Signal Words: Danger

GHS/CLP Classification:
Acute toxicity, oral-Cat 3
Skin corrosion/irritation-Cat 2
Skin sensitisation-Cat 1
Serious eye damage/eye irritation-Cat 2
Acute toxicity, inhalation-Cat 4
STOT, single exposure; Respiratory tract irritation-Cat 3
Aquatic toxicity, acute-Cat 2

Hazard Statements:
H301 Toxic if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if ingested.
H335 May cause respiratory irritation.
H401 Toxic to aquatic life.

Precautionary Statements:
P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
P260 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P335+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EU Directives Classification:
Symbol of Danger: Xn
Indication of Danger: Harmful

Risk Phrases:
R22 Harmful if swallowed.
R35/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 Wear suitable protective clothing.

Section III - Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS Number</th>
<th>Molecular Formula</th>
<th>Molecular Weight</th>
<th>EC Number</th>
<th>GLP Index Number</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>Promethazine HCl</td>
<td>59-33-3</td>
<td>C17H21N2Cl</td>
<td>320.89</td>
<td>N/A</td>
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</table>

P-044
Section IV - First Aid Measures

Eye Contact: Flush eyes with copious amounts of water for a minimum of 15 minutes and consult a physician.
Ingestion: Do not induce vomiting. Rinse mouth with water and consult a physician.
Skin Contact: Wash affected areas with copious amounts of water and consult a physician.
Inhalation: Remove to fresh air. If breathing is disturbed, give artificial respiration while transporting to a medical facility.

Section V - Fire Fighting Measures

Flash point: N/A
Method Used: N/A
Autoignition Temperature: N/A
Extinguishing Media: Water spray, chemical, or carbon dioxide extinguisher.
Special Fire Fighting Procedures: Wear SCBA and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards: N/A

Section VI - Accidental Release Measures

Evacuate area. Remove all sources of ignition. Use inert absorbent to pick up all spilled material. Transfer to a suitable waste container with non-sparking tools. Wash spill site with appropriate cleaning agents to remove residual traces of spilled material.

Section VII - Handling and Storage

Handling: Do not breathe dust or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged, repeated exposure. Wash thoroughly after handling.
Storage: Refrigerate or Freeze. Protect from air, light, and moisture. Keep container closed. Keep away from ignition sources.

Section VIII - Exposure Controls/Personal Protection

As appropriate to quantity handled.
Ventilation-Local Exhaust: Use with forced ventilation.
General Mechanical: Normal laboratory air exchange.
Respiratory Protection: NIOSH approved cartridge type respirator with organic vapor cartridge with HEPA pre-filter recommended.
Eye Protection: Safety glasses with side shields or chemical safety goggles.
Protective Gloves: Compatible chemical resistant gloves.
Other Protective Clothing or Equipment: Lab Coat
Work/Hygienic Practices: Only experienced personnel should be allowed to handle this material.

<table>
<thead>
<tr>
<th>Exposure Limits</th>
<th>CSHA PEL</th>
<th>ACGIH TLV</th>
<th>DFG MAK</th>
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<td>Promethazine HCl</td>
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<td>N/A</td>
<td>N/A</td>
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</table>

Section IX - Physical and Chemical Properties

Boiling Point (°C): N/A
Melting Point (°C): N/A
Specific Gravity (Water = 1): N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air = 1): N/A
Evaporation Rate (Butyl Acetate = 1): N/A
Solubility in Water: Soluble
Appearance and Odor: White solid

Section X - Stability and Reactivity

Stability: Stable
Conditions to Avoid: N/A
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur oxides

Section XI - Toxicological Information

Routes of Entry: Inhalation: Yes  Ingestion: Yes  Skin: No

Carcinogenicity: IARC: N/A  NTP: N/A  OSHA: N/A

Symptoms of Exposure: Blurred vision, dizziness, rash, nausea, and vomiting.

Toxicity Data:
oral-mouse LD50: 256 mg/kg

The toxicological properties of Promethazine HCl have not been fully investigated. It should be assumed to have toxic effects and, therefore, procedures appropriate for the safe handling of hazardous chemicals should be followed.

Section XII - Ecological Information

Invertebrates: Daphnia magna (Water flea) EC50: 1.6 mg/L/48H

Section XIII - Disposal Considerations

Waste materials should be disposed of under conditions that meet Federal, State, and Local environmental control regulations. Contact a licensed waste disposal specialist to dispose of this material.

Section XIV - Transport Information

<table>
<thead>
<tr>
<th>DOT</th>
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<td>Proper Shipping Name: Toxic solids, organic, n.o.s</td>
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<td>PIH: N</td>
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<tr>
<td>Small quantities exempted</td>
<td>Small quantities exempted</td>
</tr>
</tbody>
</table>

Section XV - Regulatory Information

N/A

Section XVI - Other Information

The information contained herein is believed to be accurate and is supplied in good faith. Cerilliant Corporation makes no warranty with respect to and assumes no legal responsibility for use or reliance upon this information. Individuals receiving this data must exercise their own judgement in determining its suitability for a particular purpose.