SAFETY DATA SHEET

Preparation Date: No data available
Revision Date: 06/29/2015
Revision Number: G1

Product code: P1293
Product Name: PROCHLORPERAZINE MALEATE, USP

Other means of identification
Synonyms:
2-Chloro-10-(3-(1-methyl-4-piperazinyl)propyl)phenothiazine, dimaleate
2-Chloro-10-(3-(4-methyl-1-piperazinyl)propyl)phenothiazine dimaleate
Compazine
Emetirial
Meterazin maleate
Nibromin A
Pasotomin
10H-Phenothiazine, 2-chloro-10-(3-(4-methyl-1-piperazinyl)propyl)-, (Z)-2-butenedioate (1:2)
Prochloroproazine hydrogen maleate
Prochlorperazine bimaleate
Prochlorperazine dimaleate
Prochlorperazine hydrogen maleate

CAS #: 84-02-6
RTECS #: SO3150000
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: Medication. anti-emetic agent. antipsychotic agent.
Uses advised against: No information available

Supplier: Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number: Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral Category 4
Label elements

Warning

Hazard statements
Harmful if swallowed

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Not available

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

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

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
<th>Trade Secret</th>
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<tbody>
<tr>
<td>Prochlorperazine Maleate</td>
<td>84-02-6</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures

General Advice: Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126)

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Harmful if swallowed.

Product code: P1293  Product name: PROCHLORPERAZINE MALEATE, USP
Indication of any immediate medical attention and special treatment needed
Notes to Physician: Treat symptomatically

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

**Extinguishing Media**
Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Water spray mist or foam.

Unsuitable Extinguishing Media: No information available.

**Specific hazards arising from the chemical**

Hazardous Combustion Products: Carbon monoxide; Carbon dioxide; Nitrogen oxides; sulfur oxides; hydrogen chloride gas

Specific hazards:
May be combustible at high temperatures
Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Remove all sources of ignition.

Environmental precautions: Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Methods for containment: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal

7. HANDLING AND STORAGE

**Precautions for safe handling**

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. All equipment used when handling the product must be grounded. Keep away from incompatible materials.

Product code: P1293      Product name: PROCHLORPERAZINE MALEATE, USP
Safe Handling Advice:
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Protect from light. Sensitive to light. Store in light-resistant containers. Store away from incompatible materials.

Incompatible Materials:
Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### National occupational exposure limits

**U.S Occupational Exposure Limits:** Not determined

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<thead>
<tr>
<th>Components</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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**Canada**

**Canada Occupational Exposure Limits:** Not determined

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<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
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**Australia and Mexico**

**Occupational Exposure Limits for Australia and Mexico:** Not determined

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<th>Components</th>
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<th>Mexico</th>
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<tbody>
<tr>
<td>Prochlorperazine Maleate 84-02-6</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

### Appropriate engineering controls

**Engineering measures to reduce exposure:**
Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures, such as personal protective equipment

**Personal Protective Equipment**

- **Eye protection:** Safety glasses Safety glasses with side-shields
- **Skin and body protection:** Long sleeved clothing. Chemical resistant apron. Gloves.
- **Respiratory protection:** Effective dust mask Wear respirator with dust filter.

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**Product code:** P1293  
**Product name:** PROCHLORPERAZINE MALEATE, USP
Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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<th>Value</th>
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<tbody>
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<tr>
<td>Odor:</td>
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<td>Formula:</td>
<td>C20-H24-Cl-N3-S.2C4-H4-O4</td>
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<tr>
<td>Appearance:</td>
<td>Powder. Crystalline powder.</td>
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<tr>
<td>Taste</td>
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<td>Autoignition Temperature (°C/°F):</td>
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<td>Miscibility:</td>
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<td>Solubility:</td>
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<tr>
<td>Practically insoluble in Ethanol</td>
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10. STABILITY AND REACTIVITY

Reactivity
Reactive with strong oxidizing agents

Chemical stability
Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid:
Heat. Avoid dust formation. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Incompatible Materials: Strong oxidizing agents.

Other Information
Corrosivity: No information available

Product code: P1293
Product name: PROCHLORPERAZINE MALEATE, USP

Molecular/Formula weight: 606.09
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation.

Acute Toxicity

Component Information

Prochlorperazine Maleate - 84-02-6

LD50/oral/rat: 750 mg/kg Oral LD50 Rat
LD50/oral/mouse: No information available
LD50/dermal/rat: No information available
LD50/dermal/rabbit: No information available
LC50/inhalation/rat: No information available
LC50/inhalation/mouse: No information available
Other LD50 or LC50 information: No information available

Product Information

LD50/oral/rat = 750 mg/kg Oral LD50 Rat
Value - Acute Tox Oral = No information available
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
VALUE-Acute Tox Dermal = No information available
LD50/dermal/rat = No information available
VALUE -Acute Tox Dermal = No information available
LC50/inhalation/rat = No information available
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available
LC50/Inhalation/mouse = No information available
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation.
Eye Contact: Contact with eyes may cause irritation.
Inhalation: May cause respiratory tract irritation.
Ingestion

Harmful if swallowed. Ingestion may cause nausea, vomiting, dry mouth, diarrhea, constipation, blurred vision, and nasal congestion. May affect the cardiovascular system (hypotension, slow heart rate (bradycardia), tachycardia, cardiac arrhythmias), respiration (difficult or labored breathing resulting in shortness of breath, respiratory depression), behavior/central nervous system (dizziness, drowsiness, convulsions, central nervous system depression, agitation, jitteriness, restlessness, fainting, insomnia). May cause dystonia, which is defined as prolonged or abnormal contractions of muscle groups. Symptoms may include: spasm of the neck muscles, sometimes progressing tightness of the throat, difficulty swallowing, difficulty breathing, and/or protrusion of the tongue. May cause Parkinson's-like symptoms (Pseudo-Parkinonism). They may include: mask-like facies, shuffling gait, cogwheel rigidity, pillrolling motion, drooling, tremors). May cause hyperglycemia.

Aspiration hazard

No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity

Prolonged or repeated ingestion may affect the blood (leukopenia, agranulocytosis, eosinophilia, pancytopenia, thrombocytopenic purpura, aplastic anemia, hemolytic anemia). Prolonged or repeated ingestion may affect behavior/central nervous system. May cause Tardive Dyskinesia. It most commonly occurs in patients which psychiatric conditions who are treated with antipsychotic drugs for many months or years. This is a disorder that involves involuntary movements, especially of the lower face. Symptoms include facial grimacing, finger movement, jaw swinging, repetitive chewing and tongue thrusting. Prolonged or repeated ingestion may affect the liver (cholestatic jaundice). Prolonged or repeated ingestion may affect the kidneys. Prolonged or repeated ingestion may affect the blood (leukopenia, agranulocytosis, eosinophilia, pancytopenia, thrombocytopenic purpura, aplastic anemia, hemolytic anemia). Prolonged or repeated ingestion may affect behavior/central nervous system. 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Sensitization:

No information available

Mutagenic Effects:

No information available

Carcinogenic effects:

Not considered carcinogenic

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<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
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<td>Prochlorperazine Maleate</td>
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Reproductive toxicity

No data is available

Reproductive Effects:

No information available

Developmental Effects:

No information available

Teratogenic Effects:

No information available

Specific Target Organ Toxicity

STOT - single exposure: No information available

STOT - repeated exposure: No information available

Target Organs: No information available
12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

<table>
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<tbody>
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14. TRANSPORT INFORMATION

DOT

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: None
ERG No: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available

TDG (Canada)

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Description: No information available

ADR

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Packing Group: No information available
Subsidiary Risk: No information available

Product code: P1293

Product name: PROCHLORPERAZINE MALEATE, USP
14. TRANSPORT INFORMATION

**Classification Code:** No information available
**Description:** No information available
**CEFIC Tremcard No:** No information available

**IMO / IMDG**
- **UN-No:** Not Regulated
- **Proper Shipping Name:** No information available
- **Hazard Class:** No information available
- **Subsidiary Risk:** No information available
- **Packing Group:** No information available
- **Description:** No information available
- **IMDG Page:** No information available
- **Marine Pollutant:** No information available
- **MFAG:** No information available
- **Maximum Quantity:** No information available

**RID**
- **UN-No:** Not Regulated
- **Proper Shipping Name:** No information available
- **Hazard Class:** No information available
- **Subsidiary Risk:** No information available
- **Packing Group:** No information available
- **Classification Code:** No information available
- **Description:** No information available

**ICAO**
- **UN-No:** Not Regulated
- **Proper Shipping Name:** No information available
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- **Subsidiary Risk:** No information available
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- **Description:** No information available

**IATA**
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- **Description:** No information available

15. REGULATORY INFORMATION

**International Inventories**

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<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
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**U.S. Regulations**

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)
Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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CERCLA/SARA

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<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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U.S. TSCA

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<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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<td>Prochlorperazine Maleate</td>
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Canada

WHMIS hazard class:
Non-controlled

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

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<th>CEPA - 2010 Greenhouse Gases Subject to Manditory Reporting</th>
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EU Classification

R-phrase(s)
R22 - Harmful if swallowed.

S -phrase(s)
S46 - If swallowed, seek medical advice immediately and show this container or label.

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
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The product is classified in accordance with Annex VI to Directive 67/548/EEC

Product code: P1293
Product name: PROCHLORPERAZINE MALEATE, USP
Indication of danger:
Xn - Harmful.

16. OTHER INFORMATION

Revision Date: 06/29/2015
Prepared by: Sonia Owen

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End of Safety Data Sheet