SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME
ACEPROMAZINE MALEATE, USP (Not for human use)

PRODUCT CODE
0172

SUPPLIER
MEDISCA Inc.
Tel.: 1.800.932.1039 | Fax.: 1.855.880.5855
661 Route 3, Unit C, Plattsburgh, NY, 12901
3955 W. Mesa Vista Ave., Unit A-10, Las Vegas, NV, 89118
6641 N. Belt Line Road, Suite 130, Irving, TX, 75063

MEDISCA Pharmaceutique Inc.
Tel.: 1.800.665.6334 | Fax.: 514.338.1693
4509 Rue Dobrin, St. Laurent, QC, H4R 2L8
21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2

MEDISCA Australia PTY LTD
Tel.: 1.300.786.392 | Fax.: 61.2.9700.9047
Unit 7, Heritage Business Park
5-9 Ricketty Street, Mascot, NSW 2020

EMERGENCY PHONE
CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300
NSW Poisons Information Centre: 131 126

USES
Veterinary tranquilizer

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION
Acute Toxicity - Oral (Category 4)
Specific Target Organ Toxicity - Single Exposure (Category 1) - Heart
Specific Target Organ Toxicity - Repeated Exposure (Category 1) - Nervous system

PICTOGRAM

SIGNAL WORD
Danger

HAZARD STATEMENT(S)
Harmful if swallowed.
Causes damage to organs (heart).
Causes damage to organs (nervous system) through prolonged or repeated exposure.
Sedative, may cause drowsiness and dizziness.
May cause allergic reaction.

AUSTRALIA-ONLY HAZARDS
Repeated exposure may cause skin dryness or cracking.

PRECAUTIONARY STATEMENT(S)
Prevention
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye protection, face protection.
Do not breathe dust/fume/gas/mist/vapors/spray.

Response
IF SWALLOWED: Immediately call a poison center or medical professional. Rinse mouth.
IF EXPOSED OR CONCERNED: Get medical advice/attention.

Storage
Store locked up.

Disposal
Dispose of contents and/or container in accordance with local regulations.

HMIS CLASSIFICATION
Health Hazard
2
Flammability
0
Reactivity
0
Personal Protection
G
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME  Ethanone, 1-[10-[(3-(dimethylamino) propyl)-10H-phenothiazin-2-yl]-, (Z)-2-butenedioate(1:1)
BOTANICAL NAME  Not applicable
SYNONYM  Acetylprromazine maleate (1:1)
CHEMICAL FORMULA  C₁₉H₂₂N₂Os·C₄H₄O₄
CAS NUMBER  3598-37-6
ALTERNATE CAS NUMBER  Not applicable
MOLECULAR WEIGHT  442.5334

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>% BY WEIGHT</th>
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<tbody>
<tr>
<td></td>
<td>ACEPROMAZINE MALEATE</td>
<td>3598-37-6</td>
<td>100</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

NOTES  Chemical family: Phenothiazine.

SECTION 4: FIRST-AID MEASURES

IN CASE OF EYE CONTACT  Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.

IN CASE OF SKIN CONTACT  Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

IF SWALLOWED  Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

IF INHALED  Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL  Not applicable
FLAMMABLE PROPERTIES  May be combustible at high temperature
HAZARDOUS COMBUSTION PRODUCTS  Under fire conditions, hazardous fumes will be present.
EXTINGUISHING MEDIA  Small fire: dry chemical, CO₂ or water spray. Large fire: dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS  Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS  Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
METHODS & MATERIAL FOR CONTAINMENT

On land, sweep or shovel into suitable containers. Minimize generation of dust.

CLEANUP PROCEDURE

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

STORAGE CONDITIONS

Store in original container, tightly sealed container, protected from direct sunlight, in a dry and well-ventilated area, away from incompatible materials. Store in accordance with local regulations. Eliminate all ignition sources. Separate from oxidizing materials. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Preserve in well-closed containers. Protect from light. Store at room temperature.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name: ACEPROMAZINE MALEATE CAS #: 3598-37-6

<table>
<thead>
<tr>
<th></th>
<th>TWA</th>
<th>Ceiling</th>
<th>STEL</th>
<th>REL</th>
<th>IDLH</th>
<th>Remarks</th>
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<tr>
<td>OSHA PEL</td>
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<td>N/L</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ACGIH TLV</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>-</td>
</tr>
<tr>
<td>NIOSH</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
</tr>
<tr>
<td>AIHA WEEL</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>-</td>
</tr>
<tr>
<td>HSE</td>
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<td>N/L</td>
<td>N/L</td>
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<td>N/L</td>
<td>-</td>
</tr>
<tr>
<td>Safe Work Australia HSIS</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

N/L = Not Listed

EXPOSURE GUIDELINES

Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m³.

PERSONAL PROTECTIVE EQUIPMENT

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or 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.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Solid

DESCRIPTION

Yellow crystalline powder. Is odorless.

SOLUBILITY

Very soluble in water.

ODOR

Odorless
SAFETY DATA SHEET

**FLAMMABILITY**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>May be combustible at high temperature</td>
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</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOR THRESHOLD</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>4 - 5.5 (1%)</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>(135 - 136)°C, (275-276.8)°F</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>Not available</td>
</tr>
<tr>
<td>FREEZING POINT</td>
<td>(135 - 136)°C, (275-276.8)°F</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>Not available</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>Not available</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>Not available</td>
</tr>
<tr>
<td>EXPLOSIVE LIMIT</td>
<td>Not available</td>
</tr>
<tr>
<td>UPPER FLAMMABLE/EXPLOSIVE LIMIT(S)</td>
<td>Not available</td>
</tr>
<tr>
<td>LOWER FLAMMABLE/EXPLOSIVE LIMIT(S)</td>
<td>Not available</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>0.0000001 kPa (25°C)</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>RELATIVE DENSITY (WATER = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>log P (OCTANOL-WATER)</td>
<td>2.3</td>
</tr>
<tr>
<td>AUTO-IGNITION TEMPERATURE</td>
<td>Not available</td>
</tr>
<tr>
<td>DECOMPOSITION TEMPERATURE</td>
<td>Not available</td>
</tr>
<tr>
<td>VISCOSITY</td>
<td>Not available</td>
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</table>

**SECTION 10: STABILITY AND REACTIVITY**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACTIVITY</td>
<td>Not established</td>
</tr>
<tr>
<td>STABILITY</td>
<td>Stable under recommended storage conditions</td>
</tr>
<tr>
<td>MATERIALS TO AVOID</td>
<td>Strong oxidants. Acids.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION PRODUCTS</td>
<td>Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION</td>
<td>Will not occur</td>
</tr>
<tr>
<td>POSSIBILITY OF HAZARDOUS REACTION</td>
<td>Not established</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID</td>
<td>Moisture, sunlight and extreme temperatures</td>
</tr>
</tbody>
</table>

**SECTION 11: TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE TOXICITY</td>
<td>Oral: Rat: LD50: (mg/kg): 400</td>
</tr>
<tr>
<td></td>
<td>Dermal: Rabbit: LD50: (mg/kg): Not available</td>
</tr>
<tr>
<td></td>
<td>Inhalation: Rat: LD50: (mg/L/4hr): Not available</td>
</tr>
<tr>
<td>SKIN CORROSION/IRRITATION</td>
<td>Due to lack of data the classification is not possible.</td>
</tr>
<tr>
<td>SERIOUS EYE DAMAGE/EYE IRRITATION</td>
<td>Due to lack of data the classification is not possible.</td>
</tr>
<tr>
<td>RESPIRATORY OR SKIN SENSITIZATION</td>
<td>Due to lack of data the classification is not possible.</td>
</tr>
<tr>
<td></td>
<td>Hypersensitivity reactions include urticaria, exfoliative dermatitis, erythema multiforme, and contact sensitivity have been reported.</td>
</tr>
<tr>
<td>GERM CELL MUTAGENICITY</td>
<td>Due to lack of data the classification is not possible.</td>
</tr>
<tr>
<td>CARCINOGENICITY</td>
<td>OSHA: ACEPROMAZINE MALEATE is not listed.</td>
</tr>
<tr>
<td></td>
<td>NTP: ACEPROMAZINE MALEATE is not listed.</td>
</tr>
</tbody>
</table>

ACEPROMAZINE MALEATE, USP (Not for human use)
IARC
ACEPROMAZINE MALEATE is not evaluated.

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

ADDITIONAL CARCINOGENICITY INFORMATION
Based on available data, the classification criteria are not met. Phenothiazines produce an elevation in prolactin concentrations. In vitro studies show about 1/3 of human breast cancers are prolactin-dependent. Studies in rodents found an increase in mammary tumors after long-term administration of antipsychotic medications. Early epidemiological studies did not show an association between chronic administration of antipsychotics and breast cancer in women. A later study found a modest dose-related increased risk of breast cancer in women using antipsychotic dopamine antagonists. The available evidence is inconclusive.

REPRODUCTIVE TOXICITY
Based on available data, the classification criteria are not met. There have been reports of prolonged jaundice, under or overactive reflexes, movement disorders, and withdrawal effects (runny nose, vomiting, difficulty breathing) in newborns exposed to phenothiazines in utero. Should be avoided by breast-feeding mothers unless absolutely necessary.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
Causes damage to organs (heart).

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE
Causes damage to organs (nervous system) through prolonged or repeated exposure.

ASPIRATION HAZARDS
Not expected to present a significant hazard under anticipated conditions of normal use.

SIGNS AND SYMPTOMS OF EXPOSURE
Symptoms related to the physical, chemical, and toxicological characteristics:

Delayed and immediate effects of exposure:

Cross sensitivity: Persons sensitive to any other phenothiazine may be sensitive to this material also.

Medical conditions aggravated by exposure:

POTENTIAL HEALTH EFFECTS
Inhalation
May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion
Harmful if swallowed.

Skin
May be harmful if absorbed through skin. May cause skin irritation. Exposure of the skin to phenothiazines has been associated with sensitivity reactions.

Eyes
May cause eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY
EC50: 48 Hr: Crustacea: (mg/L): Not available
LC50: 96 Hr: Fish: (mg/L): Not available
IC50: 72 Hr: Algae: (mg/L): Not available

PERSISTENCE AND DEGRADABILITY
Not available
BIOACCUMULATIVE POTENTIAL
Log Pow: 2.3.

MOBILITY IN SOIL
Very soluble in water.

OTHER ADVERSE EFFECTS
Not available

This product is not intended to be released into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL
Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

UNITED STATES & CANADA
Not dangerous good

UN PROPER SHIPPING NAME
Not applicable

UN NUMBER
Not applicable

CLASS
Not applicable

PACKING GROUP
Not applicable

AUSTRALIA
Not dangerous good

UN PROPER SHIPPING NAME
Not applicable

UN NUMBER
Not applicable

CLASS
Not applicable

PACKING GROUP
Not applicable

HAZCHEM
Not applicable

ENVIRONMENTAL HAZARDS
Not available

SPECIAL SHIPPING INFORMATION
Not applicable

SECTION 15: REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Chemical Name &amp; CAS</th>
<th>CERCLA 40 CFR Part 302.4</th>
<th>SARA (Title III) 40 CFR Part 372.65</th>
<th>EPA 40 CFR Part 355 Appendix A</th>
<th>Appendix B</th>
<th>Pennsylvania</th>
<th>Right-to-know New Jersey</th>
<th>Massachusetts</th>
<th>California Prop 65</th>
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<tbody>
<tr>
<td>ACEPROMAZINE MALEATE 3598-37-6</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
<td>N/L</td>
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</table>

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

<table>
<thead>
<tr>
<th>Chemical Name &amp; CAS</th>
<th>Poisons and Therapeutic Goods Regulation</th>
<th>Therapeutic Goods Act</th>
<th>Code of Practices - Illicit Drug Precursors</th>
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</thead>
<tbody>
<tr>
<td>ACEPROMAZINE MALEATE 3598-37-6</td>
<td>N/L</td>
<td>Listed as Schedule 4*</td>
<td>N/L</td>
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</tbody>
</table>

NOTES
*Listed as the base.
### SECTION 16: OTHER INFORMATION

**REFERENCES**
Available upon request

**ABBREVIATIONS AND ACRONYMS**
- CAS – Chemical Abstract Service
- GHS – Global Harmonized System
- OSHA PEL – Occupational Safety & Health Administration Permissible Exposure Limits
- TWA – Time Weighted Average
- HSIS – Hazardous Substances Information System
- STEL – Short Term Exposure Limit
- AIHA WEEL – American Industrial Hygiene Association Workplace Environment Exposure Levels
- LD50 – Lethal Dose, 50%
- IARC – International Agency for Research on Cancer
- NTP – National Toxicology Program
- WHMIS – Workplace Hazardous Materials Information System
- SARA – Superfund Amendments and Reauthorization Act
- EPA – Environmental Protection Agency
- CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
- HMIS – Hazardous Materials Information System
- NIOSH – National Institute for Occupational Safety and Health
- MSHA - Mine Safety and Health Administration
- ACGIH - American Conference of Governmental Industrial Hygienists
- IDHL - Immediately Dangerous to Health or Life
- TLV – Threshold Limit Value
- HSE – Health and Safety Executive
- REL - Recommended Exposure Limit

**LAST REVISION**
02/2017

**SUPERSEDES**
07/2016

**DISCLAIMER**
This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.