

# Safety Data Sheet



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CHLORPHENIRAMINE MALEATE

**Other name(s):** 2-Pyridinepropanamine, gamma-(4-chlorophenyl)-N,N-dimethyl-, (Z)-2-butanedioate (1:1)

**Recommended Use of the Chemical and Restrictions on Use** Anti-histamine prescription medicine.

**Supplier:** Ixom Operations Pty Ltd (Bronson & Jacobs division) - incorporated in Australia  
**ABN:** 51 600 546 512  
**Street Address:** 70 Marple Avenue  
Villawood NSW 2163  
Australia

**Telephone Number:** +61 2 8717 2929  
**Facsimile:** +61 2 9755 9611  
**Emergency Telephone:** 1 800 033 111 (ALL HOURS)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

### Classification of the substance or mixture:

Acute Oral Toxicity - Category 3

**SIGNAL WORD:** DANGER



### Hazard Statement(s):

H301 Toxic if swallowed.

### Precautionary Statement(s):

### Prevention:

P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

### Response:

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P330 Rinse mouth.  
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).

### Storage:

P405 Store locked up.

Product Name: CHLORPHENIRAMINE MALEATE  
Substance No: 000000033835

Issued: 04/02/2016  
Version: 3

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**Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Poisons Schedule (SUSMP):** S4 Prescription only medicine.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion	Hazard Codes
Chlorpheniramine maleate	113-92-8	98-100%	H301

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:**

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazchem or Emergency Action Code:** 2X

**Specific hazards arising from the substance or mixture:**

Combustible solid. On burning will emit toxic fumes, including those of oxides of carbon, oxides of nitrogen and hydrogen chloride.

**Special protective equipment and precautions for fire-fighters:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

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## 6. ACCIDENTAL RELEASE MEASURES

### Emergency procedures/Environmental precautions:

Shut off all possible sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

### Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## 7. HANDLING AND STORAGE

This material is a Scheduled Poison S4 and must be stored, maintained and used in accordance with the relevant regulations.

### Precautions for safe handling:

Avoid skin and eye contact and breathing in dust. Keep out of reach of children.

Avoid handling which leads to dust formation. May form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards". Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place and out of direct sunlight. Store in the original container, tightly closed and away from foodstuffs. Protect from light. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters:** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for particulates:

Dusts not otherwise classified: 8hr TWA = 10 mg/m<sup>3</sup>

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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## Appropriate engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Avoid generating and breathing in dusts. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

## Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.



Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Crystalline Powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	Not available
<b>Solubility:</b>	Soluble in water, alcohol and chloroform. Slightly soluble in ether and benzene.
<b>Specific Gravity:</b>	Not available
<b>Relative Vapour Density (air=1):</b>	Not available
<b>Vapour Pressure (20 °C):</b>	Not applicable
<b>Flash Point (°C):</b>	Not applicable
<b>Flammability Limits (%):</b>	Not available
<b>Autoignition Temperature (°C):</b>	Not available
<b>Melting Point/Range (°C):</b>	130 - 135
<b>Boiling Point/Range (°C):</b>	Not available
<b>Decomposition Point (°C):</b>	Not available
<b>pH:</b>	4 - 5
<b>Viscosity:</b>	Not available
<b>Partition Coefficient:</b>	Not available

## 10. STABILITY AND REACTIVITY

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<b>Reactivity:</b>	No hazardous reactions if stored and handled as prescribed/indicated.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid:</b>	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to light. Avoid dust generation.
<b>Incompatible materials:</b>	None known.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Hydrogen chloride.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	Prescription medicine. No adverse effects expected at prescribed dosage. Adverse effects may include the following: Swallowing may result in sedation, varying from slight drowsiness to deep sleep, dizziness, confusion, incoordination, nausea, vomiting, diarrhoea or constipation, anorexia or increased appetite and abdominal pain. Other effects may include blurred vision, difficulty in urination, dryness of the mouth/nose/throat, tightness of chest, problems with memory or concentration, anxiety, restlessness or excitability (especially in children), tinnitus muscular weakness and occasionally headache.
<b>Eye contact:</b>	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
<b>Skin contact:</b>	Contact with skin may result in irritation.
<b>Inhalation:</b>	Breathing in dust may result in respiratory irritation.
<b>Acute toxicity:</b>	
Oral LD50 (rat):	306 mg/kg (1)
Oral LD50 (mice):	130 mg/kg (1)
Oral LD50 (guinea pig):	198 mg/kg (1)
<b>Skin corrosion/irritation:</b>	May cause mechanical irritation.
<b>Serious eye damage/irritation:</b>	May cause mechanical irritation.
<b>Respiratory or skin sensitisation:</b>	No information available.
<b>Chronic effects:</b>	No information available for the product.
<b>Mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.

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**Specific Target Organ Toxicity (STOT) - single exposure:** No information available.  
**Specific Target Organ Toxicity (STOT) - repeated exposure:** No information available.  
**Aspiration hazard:** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.  
**Persistence/degradability:** No information available.  
**Bioaccumulative potential:** No information available.  
**Mobility in soil:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:**  
Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.



**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (CHLORPHENIRAMINE MALEATE)  
**Hazchem or Emergency Action Code:** 2X

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (CHLORPHENIRAMINE MALEATE)

**IMDG EMS Fire:** F-A

*Product Name: CHLORPHENIRAMINE MALEATE*  
*Substance No: 000000033835*

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**IMDG EMS Spill:** S-A

## **Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

**UN No:** 2811  
**Transport Hazard Class:** 6.1 Toxic  
**Packing Group:** III  
**Proper Shipping Name or Technical Name:** TOXIC SOLID, ORGANIC, N.O.S. (CHLORPHENIRAMINE MALEATE)

## **15. REGULATORY INFORMATION**

### **Classification:**

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

### **Classification of the substance or mixture:**

Acute Oral Toxicity - Category 3

### **Hazard Statement(s):**

H301 Toxic if swallowed.

**Poisons Schedule (SUSMP):** S4 Prescription only medicine.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

## **16. OTHER INFORMATION**

(1) 'Registry of Toxic Effects of Chemical Substances'. Ed. D. Sweet, US Dept. of Health & Human Services: Cincinnati, 2015.

This safety data sheet has been prepared by Ixom Operations Pty Ltd Toxicology & SDS Services.

### **Reason(s) for Issue:**

Revised Primary SDS  
Change in Hazardous Substance Classification  
Alignment to GHS requirements  
Update in Toxicological Information  
Change to Transport Information

# Safety Data Sheet



This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Ixom Operations Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Bronson & Jacobs representative or Ixom Operations Pty Ltd at the contact details on page 1.

Ixom Operations Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

Bronson and Jacobs incorporating the businesses of Woods and Woods and Keith Harris.