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**SAFETY DATA SHEET**

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**Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

<b>Product Name:</b>	<b>Niramine Injection</b>
<b>Product Code:</b>	61060
<b>Recommended Use:</b>	For the treatment of allergic reactions in horses, cattle, sheep, goats, pigs, dogs and cats.
<b>Company Identification:</b>	Jurox Pty Limited
<b>Address:</b>	85 Gardiner Street Rutherford NSW 2320 Australia
<b>Email:</b>	customerservice@jurox.com.au
<b>Customer Centre:</b>	1800 023 312
<b>National Poisons Information Centre:</b>	131126 (Australia-wide)
<b>Emergency Telephone Number:</b>	1800 023 312 (Monday – Friday, 9a.m. – 5p.m.)

**Section 2: HAZARDS IDENTIFICATION**

**Hazard Classifications:** Considered a Hazardous Substance according to the criteria of GHS.  
Not considered a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

**GHS Hazard Classification:\***

GHS Category	Hazard code	Hazard Statement
Skin Sensitizer Category 1	H317	May cause an allergic skin reaction.
Acute Aquatic Hazard Category 3	H412	Harmful to aquatic life with long lasting effects.
Chronic Aquatic Hazard Category 3	H412	Harmful to aquatic life with long lasting effects.

**GHS Pictograms:**

Exclamation mark

**Signal Word:\*** **WARNING****Precautionary Statements:\*****Prevention**

- P261 Avoid breathing vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves e.g. PVC or vinyl and protective eyewear e.g. Safety glasses with eye side shields or chemical goggles.  
P273 Avoid release to the environment.

**Response**

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Disposal**

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

\* N.B.: These statements are determined by Work Health and Safety regulations and may not reflect Signal Headings and First Aid and Safety statements on product labelling, which are determined by a competent authority during assessment for registration.

**Section 3: COMPOSITION / INFORMATION on INGREDIENTS**

INGREDIENT	CAS No.	CONTENT
Chlorpheniramine maleate	113-92-8	<10%
Water	7732-18-5	>60%
Other non-hazardous ingredients	-	<10%

**Section 4: FIRST AID MEASURES**

<b>General information:</b>	Consult the National Poisons Centre on 13 1126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
<b>Inhalation:</b>	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually not necessary.
<b>Ingestion:</b>	If swallowed, immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
<b>Skin:</b>	If skin contact occurs, immediately remove all contaminated clothing, including footwear. Wash affected area thoroughly with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention.
<b>Eye:</b>	If eye contact occurs, rinse cautiously with water for at least 20 minutes. If eye irritation persists, get medical advice/attention.
<b>Injection:</b>	Treat as for needle-stick injury. Wash area well and disinfect. If other symptoms are evident, seek medical advice.
<b>Advice to Doctor:</b>	Chlorpheniramine maleate is an antihistamine. Treat symptomatically.

**Section 5: FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	Not flammable.
<b>Hazardous Combustion Products:</b>	If involved in a fire, may emit noxious fumes. Non-combustible – not considered to be a significant fire risk.
<b>Extinguishing Media:</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
<b>Protective Equipment:</b>	Protective gloves and boots and breathing apparatus.
<b>Special Hazards:</b>	Fire Incompatibility: None known.
<b>HAZCHEM:</b>	None specified.

**Section 6: ACCIDENTAL RELEASE MEASURES**

<b>Spills and Disposal:</b>	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely.
<b>Protective Clothing:</b>	For appropriate personal protective equipment see section 8.
<b>Environmental Precautions:</b>	If contamination of drains and waterways occurs, advise Emergency Services.

**Section 7: HANDLING AND STORAGE**

<b>Handling:</b>	Avoid all personal contact, including inhalation. Use personal protective equipment as required. DO NOT allow clothing wet with material to stay in contact with skin.
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**Storage:** Niramine Injection is a Scheduled Poison (S4) and therefore must be stored and maintained in accordance with the relevant State Poisons Act. Store in original container, away from foodstuffs. Store below 30°C (room temperature). Protect from light. Keep out of reach of children.

**Other Information:** Always read the label before use. See label for further information on handling and storage.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

**Exposure Limits:** No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood.

**Protective Equipment:** Safety glasses with eye side shields or chemical goggles. Chemical protective gloves, e.g. PVC. Safety footwear or safety gumboots, e.g. rubber.

**Engineering Controls:** Handle in a well ventilated area.

**Hygiene Precautions:** Do not drink, eat or smoke when handling this product. Wash hands after use.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, colourless liquid.	<b>Vapour Pressure:</b>	No data.
<b>Odour:</b>	No data.	<b>Vapour density:</b>	No data.
<b>Odour threshold:</b>	No data.	<b>Relative density:</b>	Not applicable.
<b>pH:</b>	4.0 -5.2.	<b>Specific Gravity:</b>	0.995 - 1.005.
<b>Melting Point:</b>	Not applicable.	<b>Solubility in Water:</b>	Miscible.
<b>Boiling Point:</b>	No data.	<b>Partition coefficient:</b>	No data.
<b>Flash Point:</b>	Not flammable.	<b>Auto-ignition temperature:</b>	No data.
<b>Evaporation Rate:</b>	No data.	<b>Decomposition temperature:</b>	Not applicable.
<b>Flammability:</b>	Not flammable.	<b>Viscosity:</b>	No data.
<b>Upper flammability limits:</b>	Not applicable.		
<b>Lower flammability limits:</b>	Not applicable.		

## Section 10: STABILITY AND REACTIVITY

**Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the labelling.

**Hazardous Polymerisation:** Not known to occur.

**Materials to Avoid:** None known.

## Section 11: TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Inhalation:** Not normally a hazard due to the non-volatile nature of the product.

**Ingestion:** The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. Chlorpheniramine maleate is an antihistamine and as such may cause drowsiness if swallowed.

Chlorpheniramine maleate:  
LD<sub>50</sub> (oral): 130 mg / kg (mouse)

- Skin Irritation/ Corrosion:** No data for the mixture is available. The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum. However, the mixture is thought to be mild irritant based on limited evidence.
- Serious Eye Damage/ Irritation:** Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
- Respiratory or Skin sensitisation:** Based on available data for the ingredients, the mixture is classified as Skin Sensitizer Category 1 - May cause an allergic skin reaction. There is limited evidence that, skin contact with this product is more likely to cause a sensitisation reaction in some persons.
- Injection:** Effects will vary in severity according to the quantity involved, from localised site reaction (pain, redness, swelling), to acute systemic reaction.
- Chlorpheniramine maleate:  
LD<sub>50</sub> (intraperitoneal): 76.7 mg / kg (mouse).
- Chronic Effects:** Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Skin contact with this product may cause a sensitisation reaction in some persons.
- Reproductive Toxicity:** Based on limited evidence, long term exposure to this material can cause reduced fertility and developmental disorders.
- Mutagenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be mutagenic.
- Carcinogenicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be carcinogenic.
- STOT - Single Exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after single exposure.
- STOT – Repeated Exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a specific target organ toxicant after repeated exposure but long term exposure to antihistamines can cause sugar in the urine, obstructive jaundice, skin discolouration associated with loss of platelets, early periods, loss of milk production, breast development in males and decreased sex drive. Disturbances in the blood include anaemia, loss of white blood cells and platelets.

## Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** The mixture is classified as Harmful to aquatic life with long lasting effects - Acute Aquatic Hazard Category 3 & Chronic Aquatic Hazard Category 3. **DO NOT** discharge into sewer or waterways.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Chlorpheniramine maleate	No data available	No data available	No data available	No data available

## Section 13: DISPOSAL INFORMATION

- Product Disposal:** Dispose of product only by using according to APVMA approved label or by approved waste collection.
- Container Disposal:** Wrap with paper and place in garbage.

## Section 14: TRANSPORT INFORMATION

- Dangerous Goods Classification:** Not classified as a Dangerous Good according to the criteria of the Australian Dangerous Goods (ADG) Code.

**Section 15: REGULATORY INFORMATION**

**Poisons Schedule:** S4

**APVMA Registration No:** 36239

**ACIS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Chlorpheniramine, is mentioned in the SUSMP.

**Section 16: OTHER INFORMATION**

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

**Legend:**

<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail, 7 <sup>th</sup> Edition.
<b>AICS</b>	Australian Inventory of Chemical Substances.
<b>APVMA</b>	Australian Pesticides and Veterinary Medicines Authority.
<b>CAS No.</b>	Chemical Abstracts Service Registry Number.
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals.
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
<b>LD<sub>50</sub></b>	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
<b>NICNAS</b>	National Industrial Chemicals Notification and Assessment Scheme.
<b>PPE</b>	Personal Protective Equipment.
<b>PVC</b>	Polyvinyl Chloride.
<b>SDS</b>	Safety Data Sheet.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons.

**References**

ChemID PlusLite, <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>, entry for Chlorpheniramine maleate (RN: 113-92-8).

Environmental Protection Authority, HSNO Chemical Classification and Information Database (CCID), entry for Chlorpheniramine maleate (113-92-8).

Hazardous Substances Data Bank (HSDB), <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>, entry for CHLORPHENIRAMINE (CASRN: 132-22-9).

**This version issued:** 18 July 2017 and is valid for 5 years from this date.

**Supercedes:** This SDS supercedes the version issued on 13 August 2012.

**Revision History:**

Date of Revision	Reason
18 July 2017	Updates to section 1, 2, 3, 10,11, 12 & 15; Updates to Legend and addition of Revision History in Section 16.

**END OF SDS**