

**SAFETY DATA SHEET****Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY**

<b>Product Name:</b>	<b>Medetate Injection</b>
<b>Product Identifier:</b>	A sedative and analgesic for dogs and cats containing 1 mg/mL medetomidine.
<b>Product Code:</b>	504275 (10mL).
<b>Recommended Use:</b>	For use as a sedative and analgesic in the restraint of dogs and cats.
<b>Restrictions on Use:</b>	For animal treatment only.
<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>	13 1126 (24 hours)
<b>Emergency Telephone Number:</b>	1800 023 312 (9am – 5pm, Monday to Friday)

**Section 2: HAZARDS IDENTIFICATION**

<b>Hazard Classifications:</b>	This product has been assessed according to GHS and is classified as non-hazardous.
<b>Signal word:</b>	None
<b>GHS Pictograms:</b>	None
<b>Precautionary statements:</b>	None
<b>Other hazards:</b>	None known.

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

INGREDIENT	CAS No.	CONTENT
Medetomidine hydrochloride	86347-15-1	0.1%
Other ingredients determined to be not hazardous	-	To 100%

## Section 4: FIRST AID MEASURES

**General Information:** 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 this SDS, product container or label at hand.

**Inhalation:** If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. If respiratory symptoms do occur, remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen. Seek medical assistance immediately.

**Ingestion:** Immediately give a glass of water. First aid is not generally required. If in doubt, contact the National Poisons Information Centre on 13 1126 or a doctor.

**Skin:** If skin or hair contact occurs: Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation. Effects will vary according to the quantity involved, from localised site reaction (pain, redness and swelling) to acute systemic reactions.

**Eye:** If eye contact occurs: Wash out immediately with water. If eye irritation persists, get medical advice/attention. Removal of contact lenses should only be undertaken by skilled personnel.

**Chronic:** The anxiolytic sedatives, hypnotics and neuroleptics may produce dependence in susceptible individuals.

**Injection:** Treat as for needlestick injury. Wash area well and disinfect. If other symptoms become evident, seek medical advice.

**Recommended First Aid Facilities:** Ready access to running water and soap is required. Accessible eyewash is required.

**Advice to Doctor:** Treat symptomatically. Medetomidine is a non-narcotic alpha2-adrenoreceptor agonist. Following recent ingestion or overdose of anxiolytic sedatives, hypnotics and neuroleptics, the stomach may be emptied by gastric lavage and aspiration. Patients should be managed with intensive symptomatic and supportive therapy with particular attention being paid to the maintenance of cardiovascular, respiratory and renal functions and to the maintenance of electrolyte balance.

## Section 5: FIRE FIGHTING MEASURES

**Flash Point:** Not combustible. Not considered a significant fire risk, however containers may burn.

**Hazardous Combustion Products:** If involved in a fire, may emit toxic and corrosive fumes.

**Extinguishing Media:** There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

**Protective Equipment:** Protective gloves, boots and breathing apparatus.

**HAZCHEM Code:** None specified.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Wear gloves and appropriate protective clothing. Avoid breathing vapours and contact with skin and eyes. For small spills, clean up spilled product immediately and put in a suitable, labelled container for disposal. For large spills, exclude non-essential people from the area and move upwind. Contain and absorb spill with sand, earth, inert material or vermiculite. Put residues in labelled containers for disposal. Prevent spillage from entering drains or water courses and call emergency services.

**Protective Clothing:** For appropriate personal protective equipment see section 8.

**Environmental Precautions:** Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

### Section 7: HANDLING AND STORAGE

**Handling:** This is a Schedule 4 (Prescription Animal Remedy) product, available only to or through a veterinarian. Handle this product to avoid exposure, taking all recommended precautions. Avoid contact with skin, eyes and inhalation of vapours. Use in a well-ventilated area. Take care to avoid accidental self-injection. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.

**Storage:** Keep out of reach of children. Store in securely sealed, original containers, below 30°C (room temperature) in a dry, well-ventilated area. Protect from light. Store vials upright. Do not freeze. Store away from incompatible materials and foodstuffs. Protect containers against physical damage and check regularly for leaks.

**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.

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

#### **Personal Protective Equipment (PPE):**

Eye protection: Safety glasses with side shields or chemical goggles are recommended when handling this product. Contact lenses may pose a special hazard; soft contact lenses may absorb or concentrate irritants.

Skin protection: When handling, prevent skin contact by wearing general protective gloves e.g. light weight rubber gloves.

Respiratory protection: Not required for the normal use of this product.

Other: No special equipment is needed when handling small quantities. OTHERWISE overalls, barrier cream and eyewash unit.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, colourless solution; mixes with water.	<b>Lower flammability limits:</b>	Not applicable
<b>Odour:</b>	Not available	<b>Vapour Pressure:</b>	Not available
<b>Odour threshold:</b>	Not available	<b>Vapour density:</b>	Not available
<b>pH:</b>	4.3 – 5.3	<b>Relative density:</b>	Not available
<b>Melting Point:</b>	Not available	<b>Specific Gravity:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Solubility in Water:</b>	Miscible
<b>Flash Point:</b>	Not applicable	<b>Partition coefficient:</b>	Not available
<b>Evaporation Rate:</b>	Not available	<b>Auto-ignition temperature:</b>	Not applicable
<b>Flammability:</b>	Not applicable	<b>Decomposition temperature:</b>	Not available
<b>Upper flammability limits:</b>	Not applicable	<b>Viscosity:</b>	Not available

### Section 10: STABILITY AND REACTIVITY

**Reactivity:** This product is unlikely to react or polymerise under normal storage conditions.

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

**Conditions to Avoid:** Extreme temperatures.

**Incompatible Materials:** Oxidising agents.

**Hazardous Decomposition Products:** No data available.

### Section 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

Ingestion: Symptoms of moderate poisoning may include giddiness, headache, dizziness and nausea. Serious poisoning may result in decreased respiratory function and may be fatal.

Medetomidine hydrochloride : Oral LD<sub>50</sub> : 31 mg/kg (rat)

Inhalation: Is unlikely to present an inhalation problem due to the non-volatile nature of the product. This product is not thought to produce adverse health effects or irritation of the respiratory tract. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Dermal: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the dermal route. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

**Skin Corrosion / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to cause skin corrosion / irritation.

**Serious Eye Damage / Irritation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to cause eye damage / irritation. Direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness.

**Respiratory or Skin Sensitisation:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a skin sensitiser or respiratory sensitiser.

**Germ Cell 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.

**Reproductive Toxicity:** No data for the mixture is available. Based on animal studies, exposure to the material may result in toxic effects to the development of the foetus.

**STOT: Single exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not classified as a specific target organ toxicant after single exposure.

**STOT: Repeat exposure:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not classified as a specific target organ toxicant after repeat exposure. However, exposure by all routes should be minimised as a matter of course.

**Aspiration Hazard:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be an aspiration hazard.

**Narcotic Effects:** No data for the mixture is available. The anxiolytic sedatives, hypnotics and neuroleptics may produce dependence in susceptible individuals.

### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be ecotoxic.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Medetomidine hydrochloride	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 label or at an approved landfill. DO NOT allow wash water from cleaning or process equipment to enter drains. Dispose of all wash water in accordance with local laws and regulations. Used needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

**Container Disposal:** Dispose of empty container by wrapping with paper and putting in garbage.

### Section 14: TRANSPORT INFORMATION

**Dangerous Goods Classification:** Not considered a Dangerous Good for land, sea and air transport.

### Section 15: REGULATORY INFORMATION

**Poison Schedule (SUSMP):** S4

**APVMA No.:** 65829

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

**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>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>CCID</b>	Chemical Classification and Information Database
<b>EPA</b>	Environmental Protection Authority Te Mana Rauhi Taiao
<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>HSDB</b>	Hazardous Substances Data Bank
<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>SDS</b>	Safety Data Sheet.
<b>STOT</b>	Specific Target Organ Toxicity.
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines and Poisons.
<b>SWA</b>	Safe Work Australia.

**References:**

ChemID Plus

EPA New Zealand Chemical Classification and Information Database (CCID)

HSDB (Hazardous Substances Data Bank)

**This version issued:** 11 October 2018 and is valid for 5 years from this date.

**Supersedes:** This SDS supersedes the version issued on 07 March 2014.

**Revision History:**

Date of Revision	Reason
11 October 2018	Updated sections 1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, Legend and References. Added revision history

**END OF SDS**