
SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Tricin Eye & Ear Ointment
Product Identifier:	10,000 I.U./g Polymyxin B Sulfate; 500 I.U./g Bacitracin Zinc; 5 mg/g Neomycin Sulfate.
Product Code:	503865 (4g)
Recommended Use:	Antibiotic ointment for the topical treatment of eye and ear infections due to Gram positive and Gram negative bacteria in dogs, cats and horses.
Restrictions on Use:	For animal treatment only.
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Street, Rutherford, NSW 2320, Australia
Customer Centre:	1800 023 312 (9am – 5pm, Monday to Friday)
Email:	customerservice@jurox.com.au
National Poisons Information Centre:	13 1126 (Australia-wide) (24 hours)
Emergency Telephone Number:	1800 023 312 (9am – 5pm, Monday to Friday)

Section 2: HAZARDS IDENTIFICATION

GHS Hazard Classifications: This product has been assessed according to GHS and is classified as follows:

GHS Category	Hazard code	Hazard Statement
Skin sensitisation Category 1	H317	May cause an allergic skin reaction

GHS Label Elements:

Signal Word:

WARNING



Pictograms:

Exclamation mark

Precautionary Statements:

Prevention

P261 Avoid breathing vapours.
P272 Contaminated work clothing should not be allowed out of the work place.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves.

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.

P321 Specific treatment (See Section 4: First Aid Measures).

P362 Take off contaminated clothing and wash it before reuse.

Disposal

P501 Dispose of container and any unused product by wrapping with paper and putting in garbage.

N.B.: The above 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.

Other hazards: Ample evidence exists from experimentation that reduced human fertility is directly caused by exposure to the material. Ample evidence exists, from results in experimentation, that developmental disorders are directly caused by human exposure to the material.

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Polymyxin B sulfate	1405-20-5	0.1 %
Zinc bacitracin	1405-49-6	0.8 %
Neomycin sulfate	1405-10-3	0.5%
Other ingredients not contributing to the hazards	-	>90%

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.

Symptoms and Effects of Exposure: Due to the presence of Neomycin Sulfate, prolonged or repeated exposure may lead to progressive loss of hearing and reversible kidney damage. Due to the presence of Polymyxin B Sulfate, prolonged or repeated exposure may lead to respiratory paralysis and sensory disturbances of the face.

Inhalation: Is not expected to cause problems by inhalation. If problems 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: May lead to dizziness, headache, nausea and vomiting. Due to the presence of Polymyxin B Sulfate, respiratory paralysis may occur in certain individuals. If swallowed, DO NOT induce vomiting. Rinse mouth with water. Give plenty of water or bland fluids to drink. Keep subject warm and at rest. For advice, contact the National Poisons Centre on 13 1126. Seek medical assistance immediately. Show this SDS to a medical practitioner.

Skin: If skin contact occurs, immediately remove all contaminated clothing, including footwear. Wash affected area thoroughly with plenty of soap and water for at least 20 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.

Eye: Mild irritant. If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If eye irritation persists, get medical advice/attention.

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

Advice to Doctor: Treat symptomatically. In the case of respiratory paralysis, give artificial respiration.

Section 5: FIRE FIGHTING MEASURES

Flash Point: Tricin Eye & Ear ointment is a combustible cream.

Hazardous Combustion Products: If involved in a fire, may emit noxious and irritant 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: Gas-tight chemical resistant suit, protective gloves and boots and breathing apparatus.

Hazchem Code: None specified.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal: For small spills, wipe area, scrub with detergent and warm water, and wash to drain with excess water. Due to the nature of the packaging, large spills are unlikely to occur. In the event of a large spill, 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 pickup complete. Dispose of waste safely in an approved landfill or refer to the relevant Land Waste Management Authority.

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

Environmental Precautions: Prevent from entering drains, waterways or sewers. If contamination of drains and waterways occurs, advise local authority.

Section 7: HANDLING AND STORAGE

Handling: This is a Schedule 4 (Prescription Animal Remedy) product and therefore must be stored and maintained in accordance with the relevant State Poisons Act. Avoid contact with skin and eyes. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.

Storage: Keep out of reach of children Store below 30°C (room temperature), under secure conditions appropriate to local requirements for this class of drug.

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 nor for any ingredients. Avoid breathing dust. Do not handle until all safety precautions have been read and understood. Due to the small volumes involved, and the methods of administration, exposure under normal conditions of use would likely be limited to splashing on to skin or in to eyes.

Engineering Controls: Use only in a well ventilated area. Ensure that the work environment remains clean.

Personal Protective Equipment (PPE):

Eye Protection: Protective glasses or goggles are recommended when handling bulk quantities of this product.

Skin Protection: When handling bulk product, prevent skin contact by wearing chemical protective gloves e.g. PVC.

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Smooth, white ointment, free from foreign matter.	Upper / Lower Flammability Limits:	Not available.
Odour:	Not available.	Vapour Pressure:	Not available.
Odour Threshold:	Not available.	Vapour Density:	Not available.
pH:	Not available.	Relative Density / Specific Gravity:	Not available.
Melting Point / Freezing Point:	Not available.	Solubility:	Insoluble in water.
Boiling Point and Boiling Range:	Not available.	Partition Coefficient (n-octanol/water):	Not available.
Flash Point:	Not available.	Auto-Ignition Temperature:	Not available.
Evaporation Rate:	Not available.	Decomposition Temperature:	Not available.
Flammability:	Not available.	Viscosity:	Not available.

Section 10: STABILITY AND REACTIVITY

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

Chemical 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: No data for the mixture is available. Based on available data for the ingredients, the mixture is the mixture is not considered to be acutely toxic by the oral route.

Bacitracin: Oral LD₅₀: 1770 mg/kg (mouse);

Neomycin Sulfate: Oral LD₅₀: 2750 mg/kg (rat);

Polymyxin B Sulfate: Oral LD₅₀: 790 mg/kg (mouse).

Inhalation: No data for the mixture is available. Based on available data for the ingredients, Based on available data for the ingredients, the mixture is not considered to be acutely toxic by the inhalation route. Unlikely to present an inhalation hazard under normal conditions of use.

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.

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.

Respiratory Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a respiratory irritant. However, asthma-like symptoms may continue for months or even years after repeated exposure to neomycin sulfate.

Skin Corrosion / Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be a skin irritant. Neomycin sulfate is a mild skin irritant.

Serious Eye Damage / Irritation: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be an eye irritant.

Respiratory or Skin Sensitisation: No data for the mixture is available. Based on available data for the ingredients, the mixture is classified as **Skin sensitisation Category 1**. Bacitracin has been known to cause rashes and allergic anaphylactoid reactions in some patients. Neomycin sulfate may result in allergic sensitisation reactions in certain individuals.

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 available data for the ingredients, the mixture is not considered to affect reproduction.

Specific Target Organ Toxicity (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.

Specific Target Organ Toxicity (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 repeat exposure. Due to the presence of neomycin sulfate, prolonged or repeated exposure to large oral doses may lead to progressive loss of hearing and kidney damage. Due to the presence of polymyxin B sulfate, prolonged or repeated exposure to large oral doses may lead to respiratory paralysis and sensory disturbances of the face.

Narcotic Effects: No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to have any narcotic effects.

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 toxic to the environment.

Zinc bacitracin

Fish LC₅₀ (96 hr): 74 mg/L.

Crustacea EC₅₀ (48 hr): 21.82 mg/L.

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Zinc bacitracin	No data	No data	No data	No data
Neomycin sulfate	No data	No data	No data	No data
Polymyxin B sulfate	No data	No data	No data	No data

Section 13: DISPOSAL INFORMATION

Product Disposal: Dispose of product only by using according to label or at an approved landfill.

Container Disposal: Wrap with paper and place in garbage.

Section 14: TRANSPORT INFORMATION

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

Hazchem Code: None specified.

Section 15: REGULATORY INFORMATION

Poison Schedule (SUSMP): S4

APVMA No.: 36220

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

Section 16: OTHER INFORMATION**Legend:**

AICS	Australian Inventory of Chemical Substances.
CAS No.	Chemical Abstracts Service Registry Number.
EC₅₀	The median effect concentration, being a statistically derived concentration of a substance that can be expected to cause an adverse reaction in 50% of organisms or a 50% reduction in growth or in the growth rate of organisms.
GHS Hazchem Code	Globally Harmonized System of Classification and Labelling of Chemicals. Emergency action code of numbers and letters that provide information to emergency services especially firefighters.
LC₅₀	The median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.
LD₅₀	The median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.
NICNAS	National Industrial Chemicals Notification and Assessment Scheme.
PPE	Personal Protective Equipment.
PVC	Polyvinyl chloride.
SDS	Safety Data Sheet.
STOT	Specific Target Organ Toxicity.
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons.
SWA	Safe Work Australia.

References:

ChemID Plus

<https://chem.nlm.nih.gov/chemidplus/>

Hazardous Chemical Information System (HCIS)

<http://hcis.safeworkaustralia.gov.au/HazardousChemical>

EPA New Zealand Chemical Classification and Information Database (CCID)

<https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid>

HSDB (Hazardous Substances Data Bank)

<https://toxnet.nlm.nih.gov>**This version issued:** 31 May 2018 and is valid for 5 years from this date.**Supersedes:** This SDS supersedes the version issued on 09 February 2016.**Revision History:**

Date of Revision	Reason
9 February 2016	Reclassification of substance to GHS classification and update of SDS to comply with SWA Code of Practice.
31 May 2018	Minor updates to Sections 1, 2, 3, 4, 5, 6, 7, 8 and 11.

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 do 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.

END OF SDS