

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

<b>Product Name:</b>	<b>Tricin Powder</b>
<b>Product Code:</b>	60600 (50 g)
<b>Recommended Use:</b>	Antibacterial powder for the topical treatment of infections due to Gram positive and Gram negative bacteria in small animals.
<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 (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
Respiratory Sensitizer Category 1*	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.*
Reproductive Toxicity Category 1B	H360	May damage fertility or the unborn child.
Specific target organ toxicity - single exposure Category 3 (respiratory tract irritation)	H335	May cause respiratory irritation.

\*LIMITED EVIDENCE

**GHS Pictograms\*:**

Exclamation mark



Health hazard

**Signal Word\*:** DANGER

**Precautionary Statements\*:****Prevention**

- P201 Obtain special instructions before use.
- P261 Avoid breathing dust
- P271 Use only outdoors or in a well-ventilated area
- P281 Use personal protective equipment as required
- P285 In case of inadequate ventilation wear respiratory protection.

**Response**

- P304+ P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P308+P313 IF exposed or concerned: Get medical advice.
- P312 Call a POISON CENTRE or doctor if you feel unwell.

P342+P311	If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
<b>Storage</b>	
P403+P233	Store in a well-ventilated place. Keep container tightly closed. (Does not apply as substance is non-volatile)
P405	Store locked up.
<b>Disposal</b>	
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
Neomycin sulfate	1405-10-3	0.50%
Bacitracin zinc	1405-89-6	0.34%
Polymixin B sulfate	1405-20-5	0.06%
Corn, starch	-	>90%

### Section 4: FIRST AID MEASURES

<b>General information:</b>	Consult the National Poisons Centre on 131126 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 or combustion products are inhaled remove from contaminated area. Sensitive individuals might exhibit allergic reactions, possibly life threatening. Seek medical advice. Show this SDS to a medical practitioner.
<b>Ingestion:</b>	Sensitive individuals might exhibit allergic reactions, possibly life threatening. If swallowed, rinse mouth with water. Seek medical advice. Show this SDS to a medical practitioner.
<b>Skin:</b>	May cause skin rashes in sensitised persons. 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>	Mild irritant. If eye contact occurs, rinse cautiously with water for at least 20 minutes. If eye irritation persists, get medical advice/attention.
<b>Chronic:</b>	Prolonged or repeated exposure to antibiotics may lead to sensitisation reactions. Due to the presence of neomycin sulfate, prolonged or repeated exposure may lead to progressive loss of hearing and kidney damage. Due to the presence of Polymixin B sulfate, prolonged or repeated exposure may lead to respiratory depression and sensory disturbances of the face. Treat symptomatically.
<b>Advice to Doctor:</b>	Contains antibiotics which present sensitisation potential. Treat symptomatically.

### Section 5: FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not Applicable.
<b>Hazardous Combustion Products:</b>	If involved in a fire, may emit toxic and corrosive fumes.
<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>	<b>Fire Incompatibility:</b> Avoid contamination with oxidising agents.

HAZCHEM: Not Applicable.

### Section 6: ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Wear appropriate protective clothing. Exclude non-essential people from the area. Use dry clean up procedures and avoid generating dust. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely.

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

**Environmental Precautions:** If contamination of drains and waterways occurs, advise Emergency Services.

### Section 7: HANDLING AND STORAGE

**Handling:** Avoid all personal contact, including inhalation. Use personal protective equipment as required. DO NOT allow material to contact humans, exposed food or food utensils.

**Storage:** Store in original container, away from foodstuffs. Store below 25°C. (air conditioning).

**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. Respirator – Particulate.

**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>	White to off-white, free-flowing powder.	<b>Vapour density:</b>	Not applicable.
<b>Odour:</b>	Not available.	<b>Relative density:</b>	Not applicable.
<b>Odour threshold:</b>	Not available.	<b>Specific Gravity:</b>	Not applicable.
<b>pH:</b>	Not available.	<b>Solubility in Water:</b>	Partly mixes with water.
<b>Melting Point:</b>	Not available.	<b>Partition coefficient:</b>	Not applicable.
<b>Boiling Point:</b>	Not available.	<b>Auto-ignition temperature:</b>	Not available.
<b>Flash Point:</b>	Not flammable.	<b>Decomposition temperature:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.	<b>Viscosity:</b>	Not applicable.
<b>Flammability:</b>	Not applicable.		
<b>Upper flammability limits:</b>	Not applicable.		
<b>Lower flammability limits:</b>	Not applicable.		
<b>Vapour Pressure:</b>	Not applicable.		

**Section 10: STABILITY AND REACTIVITY**

<b>Reactivity:</b>	This product is unlikely to react or polymerise under normal storage conditions.
<b>Stability:</b>	When stored appropriately this product should show no significant degradation within the expiry period shown on the labelling.
<b>Conditions to Avoid:</b>	Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition, i.e. flame or spark, will cause fire or explosion.
<b>Incompatible Materials:</b>	Avoid contamination with oxidising agents as ignition may result.
<b>Hazardous Decomposition Products:</b>	Decomposition may produce toxic fumes of Carbon dioxide, sulfur oxide and metal oxides.

**Section 11: TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity:</b>	<p><b>Inhalation:</b> The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. If prior damage to the circulatory or nervous systems has occurred or if kidney damage has been sustained, proper screenings should be conducted on individuals who may be exposed to further risk if handling and use of the material result in excessive exposures.</p> <p><b>Ingestion:</b> The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". Zinc Bacitracin LD50 (oral, mouse): 1770mg/kg Neomycin Sulfate LD50 (oral, mouse): 2880mg/kg Polymixin B Sulfate LD50 (oral, mouse): 790mg/kg</p> <p><b>Dermal:</b> 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.</p>
<b>Skin Irritation/Corrosion:</b>	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.
<b>Serious Eye Damage/Irritation:</b>	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. May cause hypersensitivity.
<b>Respiratory or Skin Sensitisation:</b>	Based on available data for the ingredients, the mixture is classified as Respiratory Sensitizer Category 1- May cause allergy or asthma symptoms or breathing difficulties if inhaled. Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis, caused by particles less than 0.5 micron penetrating and remaining in the lung. One ingredient of the product has caused skin sensitisation reactions, shown as localised reddening and hives, or may produce respiratory sensitisation characterised by asthma-like symptoms and runny nose.
<b>Chronic Effects:</b>	Due to the presence of neomycin sulfate, prolonged or repeated exposure may lead to progressive loss of hearing and kidney damage. Due to the presence of Polymixin B sulfate, prolonged or repeated exposure may lead to respiratory paralysis and sensory disturbances of the face.
<b>Mutagenicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be mutagenic.
<b>Carcinogenicity:</b>	No data for the mixture is available. Based on available data for the ingredients, the mixture is not considered to be carcinogenic.
<b>Reproductive Toxicity:</b>	Based on available data for the ingredients, the mixture is classified as Reproductive Toxicity Category 1B - May damage fertility or the unborn child. Ample evidence exists from experimentation that reduced human fertility is directly caused by exposure to neomycin sulfate.

**STOT – Single Exposure:**

Based on available data for the ingredients, the mixture is classified as Specific target organ toxicant after single exposure - Category 3 – May cause respiratory tract irritation. Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis, caused by particles less than 0.5 micron penetrating and remaining in the lung. Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compounds neomycin sulfate and polymixin B sulfate.

**Aspiration hazard:** May cause hypersensitivity.

**Section 12: ECOLOGICAL INFORMATION****Ecotoxicity:**

No data for the mixture is available. Based on available data for the ingredients the mixture is not classified as Ecotoxic to the environment.

Bacitracin Zinc: Crustacea: EC50 (48 h): 21.82mg/L;

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Neomycin sulfate	No data available	No data available	No data available	No data available
Zinc Bacitracin	No data available	No data available	No data available	No data available
Polymyxin B Sulfate	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:** 36211

**ACIS:**

All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredients: Neomycin sulfate, Bacitracin Zinc and Polymixin B sulfate are mentioned in 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>EPA</b>	Environmental Protection Authority.
<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**

New Zealand Environmental Protection Authority, HSNO Chemical Classification and Information Database (CCID), entries for Neomycin sulphate (CAS Number: 1405-10-3), Bacitracin zinc (1405-89-6) and Polymixin B sulphate (CAS Number: 1405-20-5).

VSDB (Veterinary Substances Database, <http://sitem.herts.ac.uk/aeru/vsdb/>, entries for neomycin and bacitracin.

**This version issued:** 19 September 2017 and is valid for 5 years from this date.

**Supersedes:** This SDS supersedes the version issued on 01 August 2017.

**Revision History:**

<b>Date of Revision</b>	<b>Reason</b>
01 August 2017	Updates to section 3

**END OF SDS**