



## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **Albiotic**  
 Product Use: Intramammary antibiotic for the treatment of bovine mastitis caused by organisms sensitive to lincomycin and neomycin  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: **Agrihealth NZ Limited**  
 Address: Level 2, 89 Grafton Road, Auckland 1010  
 Telephone: +64 9 215 1199  
**Emergency No: 0800 764 766 (National Poisons Centre)**  
 Date of SDS Preparation: **06 October 2023**

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

**EPA Approval No: Veterinary Medicines (Limited Pack Size, Finished Dose) – HSR100757**

#### Pictograms:



Irritant    Chronic

Signal Word: **Warning**

GHS Category	Hazard Code	Hazard Statement
Respiratory sensitisation Cat. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child

Prevention Code	Prevention Statement
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective clothing as detailed in Section 8.
P285	In case of inadequate ventilation wear respiratory protection.

Response Code	Response Statement
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage Code	Storage Statement
P405	Store locked up.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS number
Lincomycin hydrochloride	33g/L	859-18-7
Neomycin Sulfate	10g/L	1405-10-3
Non-hazardous	To bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

#### Most important symptoms and effects, both acute and delayed symptoms:

<b>Ingestion:</b>	Diarrhea, nausea, vomiting
<b>Inhalation:</b>	Coughing, shortness of breath, breathing difficulty
<b>Skin:</b>	Rash, irritation, redness
<b>Eye:</b>	Irritation, redness

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable
<b>Hazards from combustion products</b>	When heated to decomposition toxic fumes may be emitted
<b>Suitable Extinguishing media</b>	Water spray, dry powder, carbon dioxide, or foam
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective clothing and self-contained breathing apparatus (SCBA)
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

### Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Restrict access to contaminated area. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Clean the contaminated area with new sponges soaked in water. Place the spillage including sponges into sealable containers for disposal. Avoid contamination of water courses or sewers.

Dispose of waste according to the applicable local and national regulations.

### Section 7. Handling and Storage

#### Precautions for Handling:

- Read label before use.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Wear protective gloves. Avoid contact with skin and eyes.
- In case of inadequate ventilation wear respiratory protection.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash hands and exposed skin before meals and after use.
- Do not eat, drink or smoke while using.

#### Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store below 25°C.
- Store in the original container, away from direct heat or direct sunlight and away from foodstuffs.
- Keep out of reach of children.

### Section 8 Exposure Controls / Personal Protection

#### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredient has a known exposure standard.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term

Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APR 2022 13TH EDITION.

### Engineering Controls

Engineering controls should be used as the primary means to control exposures. Keep airborne contamination levels below the exposure limits listed above in this section. General room ventilation is adequate unless the process generates dust, mist or fumes.

### Personal Protection Equipment



<b>Eyes</b>	Safety glasses or goggles
<b>Hands</b>	Wear impervious gloves if skin contact is possible
<b>Skin</b>	Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas
<b>Respiratory</b>	If ventilation is poor, wear an appropriate respirator
<b>General</b>	Do not eat, drink or smoke when using this product. Wash hands with soap and water before breaks and after work. Keep away from foodstuffs and beverages.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	3.0 – 6.5
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	1.02 – 1.03 g/cm <sup>3</sup>
<b>Water Solubility</b>	Soluble
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur
<b>Conditions to Avoid</b>	Avoid heat, light and moisture

<b>Incompatible Materials</b>	Strong oxidisers
<b>Hazardous Decomposition Products</b>	Not available

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Eye</b>	Not applicable.
<b>Skin</b>	May cause an allergic skin reaction.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

### Individual component information:

#### Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
lincomycin hydrochloride	> 4000 mg/kg (rat)	-	-
neomycin sulfate	> 4,325 mg/kg (Mouse)	-	-

## Section 12. Ecotoxicological Information

Not expected to be hazardous to the environment. Do not allow to enter waterways.

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

### Individual component information (Please refer to [www.epa.govt.co.nz](http://www.epa.govt.co.nz) for full details):

#### Neomycin Sulfate

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Salmo gairdneri	96 hr	>1000 mg/L
Acute aquatic, Crustacean	Daphnia magna	48 hr	68mg/L

#### Lincomycin Hydrochloride

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Lepomis macrochirus	96 hr	>980 mg/L
Acute aquatic, Crustacean	Daphnia magna	48 hr	>900 mg/L
Acute aquatic, Algal	Anabaena flos-aquae	72hr (static)	0.03 mg/L

### Section 13. Disposal Considerations

#### Disposal Method:

Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Sensitiser, Chronic" and that the label also has the appropriate pictograms from section 2, waste type identifier, and the business name, address, and phone number.

**Precautions or methods to avoid:** Avoid release to the environment.

### Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2020**

### Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Veterinary Medicines (Limited Pack Size, Finished Dose) – **HSR100757**

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities (Schedule 26)	Not required
Signage Trigger Quantities (Schedule 3)	Not triggered
Emergency Response Plan (Schedule 5)	1000 L
Secondary Containment (Schedule 5)	1000 L
Restriction of Use	Only use for the intended purpose.
ACVM Act and Regulations	
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration Conditions	<b>A07712</b>

### Section 16 Other Information

#### Glossary

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.

TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

## References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

## Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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