



# ***LINCO-SPEC INJECTION***

## **Abbey Animal Health Pty Ltd SAFETY DATA SHEET**

### **Section 1- Identification of Product and Supplier**

**Supplier Company Details:** Abbey Animal Health Pty Ltd

**Address:** Unit 27/ 1 Maitland place, Norwest NSW, 2153

**Telephone Number:** 02 8088 0720

**Facsimile Number:** 02 8088 0721

**Emergency Number:** Australian Poisons Information Centre: 13 11 26 (24 Hour Service).

#### **PRODUCT NAME**

***LINCO-SPEC INJECTION***

#### **PRODUCT USE**

For the treatment of infections in pigs, broiler chickens, dogs and cats caused by organisms sensitive to the action of Lincomycin and/or Spectinomycin.

### **Section 2- Hazards Identification**

**Statement of Hazardous Nature this product is classified as:** Hazardous according to the criteria of SWA.

**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code criteria when transported by road or rail. Refer to Section 14.

**GHS Signal word:** **WARNING.**

#### **GHS Classification**

Sensitization-skin- Category 1

#### **HAZARD PICTOGRAMS**



## HAZARD STATEMENT

H317: May cause an allergic skin reaction.

## PREVENTION

P261: Avoid breathing dust/fume/ gas/mist/ vapors/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

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.

P363: Wash contaminated clothing before reuse.

## STORAGE

P405: Store locked up.

## DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage.

### Section 3- Composition / Information on Ingredients

Ingredients	CAS No	Conc mg/mL	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Lincomycin (as Lincomycin hydrochloride)	7179-49-9	50	Not set	Not set
Spectinomycin (as Spectinomycin sulphate tetrahydrate)	64058-48-6	100	Not set	Not set
Other non-hazardous ingredients	---	100%	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

### Section 4- First Aid Measures

***Call Poisons Information Centre Phone Australia 131 126, if you feel that you may have been poisoned or irritated by this product.***

**Swallowed:** Rinse mouth. Call a physician or poison control center immediately. Only vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

**Eye:** Flush with water while holding eyelids open for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops and persists.

**Skin:** In the case of skin contact, immediately wash the skin with plenty of soap and water. In the event of accidental self-injection or needle stick injury, wash the injury thoroughly with clean running water. Seek medical attention immediately. Wash clothes separately before reusing.

**Inhaled:** Move individual to fresh air. Seek medical attention if breathing difficulty occurs.

## Section 5- Fire Fighting Measures

**Fire/Explosion Hazard:** Non-flammable.

**Hazardous Combustion Products:** Formation of toxic gases is possible during heating or fire.

**Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Do not use water jet as an extinguisher, as this will spread the fire.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Ensure adequate ventilation. Ventilate the contaminated area. Do not breathe mist or vapor. Avoid contact with eyes, skin and clothing. Do not touch damaged containers or spilled material unless you wear appropriate protective clothing.

### Methods and materials for containment and cleaning

Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Avoid release to the environment.

**Large Spills:** Stop the flow of material, if this is without risk. Absorb vermiculite, dry sand or earth and place it into containers. Clean surface thoroughly to remove residual contamination.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

## Section 7 - Handling and Storage

**Handling:** Wear personal protective equipment. Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Avoid accidental injections. Avoid prolonged exposure. Observe good industrial hygiene practices, when using do not eat, drink or smoke. Wash thoroughly after handling it. Avoid release to the environment.

**Storage:** Store below 30°C (Room Temperature).

## Section 8 - Exposure Controls / Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits

TWA (mg/m<sup>3</sup>)

STEL (mg/m<sup>3</sup>)

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

The ADI for Lincomycin (as Lincomycin hydrochloride) is set at 1 mg/kg/day and NOEL is set at 100 mg/kg/day.

The ADI for Spectinomycin (as Spectinomycin sulphate tetrahydrate) is set at 1 mg/kg/day and NOEL is set at 100 mg/kg/day.

ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, June 2022.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** This product should only be used in a well-ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

**Eye Protection:** Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

**Skin Protection:** If you believe you may have a sensitisation to this product or any of its declared ingredients, you should prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types. Protective Material Types: We suggest that protective clothing be made from the following materials: PVC.

**Respirator:** As this product is classed as a respiratory sensitiser, special care should be taken with respiratory selection if you are sensitised to this product or any of its declared ingredients. If there is a significant chance that dust is likely to build up in the area where this product is being used, we recommend that you use a suitable dust mask. Otherwise, not normally necessary. Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid solution.
<b>Boiling Point:</b>	No data available
<b>Vapour Pressure:</b>	No data available
<b>Odor:</b>	No data available
<b>Specific Gravity:</b>	No data available
<b>Autoignition Temperature (Solid) (°C):</b>	No data available
<b>Flammability (Solids):</b>	No data available
<b>Flash Point (Liquid) (°C):</b>	No data available
<b>Upper Explosive Limits (Liquid) (% by Vol.):</b>	No data available
<b>Lower Explosive Limits (Liquid) (% by Vol.):</b>	No data available

## Section 10 - Stability and Reactivity

**Stability:** Product is stable under normal conditions of storage.

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Conditions to avoid:** Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition products may include oxides of carbon, nitrogen and sulfur. May include hydrogen chloride.

## Section 11 - Toxicological Information

No adverse health effects are expected if the product is handled in accordance with this Safety Data Sheet and product label.

### ACUTE TOXICITY

#### Lincomycin hydrochloride:

Rat	Oral	LD50	> 4000 mg/kg
Rat	Para-periosteal	LD50	342 mg/kg
Mouse	Intravenous	LD50	214 mg/kg
Rat	Subcutaneous	LD50	9778 mg/kg

#### Spectinomycin sulfate tetrahydrate:

Rat	Oral	LD50	> 5000 mg/kg
Mouse	Other	LD50	3577 mg/kg
Mouse	Intravenous	LD50	1022 mg/kg

### REPEATED DOSE TOXICITY

#### Lincomycin Hydrochloride

30 Day(s)	Rat	Oral	300 mg/kg/day	NOAEL	None identified
3 Month(s)	Dog	Oral	400 mg/kg/day	LOAEL	None identified

#### Spectinomycin sulfate tetrahydrate:

13 week(s)	Rat	Oral	400 mg/kg/day	NOAEL	None identified
90 day(s)	Dog	Oral	50 mg/kg/day	NOAEL	None identified
3 Month(s)	Dog	Oral	400 mg/kg/day	LOAEL	None identified

### Reproduction & Developmental Toxicity

#### Lincomycin Hydrochloride

2 Generation Reproductive Toxicity: Rat-Oral 100 mg/kg/day LOAEL Fetotoxicity

Prenatal & Postnatal Development: Rat-Oral 100 mg/kg/day NOEL Not Teratogenic

Fertility and Embryonic Development: Rat- Subcutaneous 75mg/kg/day NOAEL No effects at maximum dose

Embryo / Fetal Development: Rat-Subcutaneous 300 mg/kg/day NOAEL Not Teratogenic

Peri-/Postnatal Development: Rat-Subcutaneous 30 mg/kg/day NOAEL No effects at maximum dose

Spectinomycin sulfate tetrahydrate:

Reproductive and Fertility: Rat-Oral 2000 mg/kg/day NOAEL Maternal toxicity, Paternal toxicity, Fetotoxicity

Reproductive and Fertility: Rat-Oral 400 mg/kg/day NOEL Maternal toxicity, Paternal toxicity, Fetotoxicity

Embryo / Fetal Development: Rat-Oral 1000 mg/kg/day NOAEL Maternal Toxicity

Embryo / Fetal Development: Rat-Oral 2000 mg/kg/day NOAEL Fetotoxicity

**GENETIC TOXICITY**

Lincomycin Hydrochloride

Bacterial Mutagenicity (Ames) *Salmonella* Negative

Mammalian Cell Mutagenicity Mouse Lymphoma Negative

*In Vivo* Micronucleus Rat Negative

Direct DNA Interaction Human Lymphocytes Negative

Spectinomycin sulfate tetrahydrate

Bacterial Mutagenicity (Ames) *Salmonella* Negative

*In vitro* DNA synthesis Rat hepatocyte Negative

*In Vivo* Micronucleus Mouse bone marrow Negative

<b>Section 12 - Ecological Information</b>
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**Potential Environmental Considerations:** No environmental data exists for this product. However, avoid contamination of waterways.

Lincomycin Hydrochloride

EC50	Anabaena flos-aquae (Cyanobacteria)	0.03 mg/l, 72 Hours
	Daphnia magna (Water Flea)	> 900 mg/l, 48 Hours
LC50	Lepomis macrochirus (Bluegill Sunfish)	> 980 mg/l, 96 Hours
	Salmo gairdneri (Trout)	> 980 mg/l, 96 Hours

Spectinomycin Sulfate Tetrahydrate

EC50	Daphnia magna (Water Flea)	> 1000 mg/l, 48 Hours
	Selenastrum capricornutum (Green Alga)	1.18 mg/l, 72 Hours
LC50	Oncorhynchus mykiss (Rainbow Trout)	> 118 mg/l, 96 Hours

### Section 13 - Disposal Considerations

Dispose of container by wrapping with paper and putting in garbage.

### Section 14 - Transport Information

No specific transport considerations apply since *LINCO-SPEC INJECTION* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

### Section 15 - Regulatory Information

**Poisons Schedule:** S4

**APVMA Approval Number:** 86913

**Approved pack size:** 100mL

*For more information please refer to the APVMA approved product label*

### Section 16 – Other Information

*Abbey Animal Health Pty Ltd*

*Telephone Number: 02 8088 0720*

*Facsimile Number: 02 8088 0721*

**Emergency Number: Australian Poisons Information Centre: 13 11 26 (24 Hour service).**

*This Safety Data Sheet (SDS) summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace.*

*Each user must review this SDS in the context of how the product will be handled and used in the workplace.*

*If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

***\*Note: This SDS is valid for 5 years from the effective date.***