



LINCO-SPEC PREMIX

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 PREMIX

PRODUCT USE

For treatment and control of swine dysentery (Vibronic dysentery, bloody scours); salmonellosis (necrotic enteritis); enteritis associated with E.coli and as an aid in control of mycoplasmal pneumonia.

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/ vapours/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 g/kg	TWA (mg/m ³)	STEL (mg/m ³)
Lincomycin (as Lincomycin hydrochloride)	7179-49-9	22	Not set	Not set
Spectinomycin (as Spectinomycin sulphate tetrahydrate)	64058-48-6	22	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. Get medical attention if symptoms occur.

Eye: Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

Skin: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Inhaled: Move to fresh air. Get medical attention if symptoms develops or persist.

Personal protection for first-aid responders: Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

Symptoms caused by exposure: Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction, Dermatitis, rash.

Medical attention and special treatment: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Section 5- Fire Fighting Measures

Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Apply extinguishing media carefully to avoid creating airborne dust. Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

General fire hazards: May form combustible dust concentrations in air.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Keep people away from and upwind of spill/leak. Ventilate the contaminated area. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not touch damaged containers or spilled material unless you wear appropriate protective clothing.

Environmental precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning

Ensure adequate ventilation. Avoid the generation of dusts during clean-up. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Collect spill with an inert, non-combustible absorbent material and transfer to labelled container for disposal. Clean contaminated surface thoroughly. Prevent release to the environment.

Small Spills: Wipe up with a damp cloth and place in container for disposal. Clean surface thoroughly to remove residual contamination.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10 (if any).

Storage: Store below 30°C (Room Temperature). PROTECT FROM MOISTURE. Store opened bag in a dry place to prevent caking.

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/m³) STEL (mg/m³)

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

Physical Description:	Solid
Odour:	No odour
Boiling Point:	Not available
Freezing/Melting Point:	Not available
Volatiles:	No data
Vapour Pressure:	No data
Vapour Density:	Not available
Specific Gravity:	Not available
Water Solubility:	Not available
pH:	No data
Volatility:	No data
Odour Threshold:	No data

Section 10 - Stability and Reactivity

Stability: Product is stable under normal conditions of storage.

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

Conditions to avoid: Contact with incompatible materials. Keep away from heat, sparks and open flame. Minimize dust generation and accumulation. Dust may form explosive mixture with air. Fine particles (such as dust and mists) may fuel fires/explosions.

Incompatible materials: Strong oxidizing agents, peroxides, phenols.

Hazardous Decomposition Products: Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Thermal decomposition products may include oxides of carbon, nitrogen, and sulfur. May include hydrogen chloride.

Section 11 - Toxicological Information

Inhalation: Dust may irritate the respiratory system. Prolonged inhalation may be harmful.

Skin contact: Dust or powder may irritate the skin. May cause an allergic skin reaction.

Spectinomycin sulphate tetrahydrate Species: Rabbit
Severity: No effect

Eye contact: Dust may irritate the eyes.

First Effective Date: 23rd April 2025

Lincomycin hydrochloride monohydrate Severity: Irritant

Spectinomycin sulphate tetrahydrate Species: Rabbit
Severity: Minimal

Ingestion: May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to exposure: Dusts may irritate the respiratory tract, skin and eyes. May cause an allergic skin reaction. Dermatitis, rash. The most common adverse effects reported with clinical use were diarrhea, nausea, rash and vomiting.

ACUTE TOXICITY: May cause an allergic skin reaction.

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 sulphate tetrahydrate:

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

SUBACUTE TOXICITY

Lincomycin hydrochloride:

30days	Rat	Oral	300 mg/kg/day	NOAEL	No effect at maximum dose
30days	Rat	Subcutaneous	60 mg/kg/day	NOAEL	None identified

CHRONIC TOXICITY

Lincomycin hydrochloride:

6month(s)	Dog	Oral	100 mg/kg/day	NOAEL	Immune system
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SUBCHRONIC TOXICITY

Lincomycin Hydrochloride

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

Spectinomycin sulphate tetrahydrate:

13week(s)	Rat	Oral	400 mg/kg/day	NOAEL	None identified
90day(s)	Dog	Oral	50 mg/kg/day	NOAEL	None identified
13week(s)	Rat	Oral	3000 mg/kg/day	LOAEL	None identified

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Spectinomycin sulphate tetrahydrate Severity: No effect

Serious eye damage/irritation: Direct contact with eyes may cause temporary irritation.

Lincomycin hydrochloride

Severity: Irritant

Spectinomycin sulphate tetrahydrate

Species: Rabbit

Severity: Minimal

Respiratory sensitisation: Not a respiratory sensitizer.

Skin sensitisation: May cause an allergic skin reaction

Lincomycin hydrochloride

Severity: Sensitiser

Spectinomycin sulphate tetrahydrate

Species: Sensitiser

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity:

Lincomycin hydrochloride

Bacterial Mutagenicity (Ames)

Result: Negative

Species: Salmonella

Direct DNA Interaction

Result: Negative

Species: Human lymphocytes

In vivo Micronucleus

Result: Negative

Species: Rat

Mammalian Cell Mutagenicity

Result: Negative

Species: Mouse lymphoma

Spectinomycin sulphate tetrahydrate

Bacterial Mutagenicity (Ames)

Result: Negative

Species: Salmonella

In Vitro: Chromosome Aberration

Result: Negative

Species: Chinese Hamster Ovary (CHO) cells

In Vitro: Unscheduled DNA synthesis

Result: Negative

Species: Rat Hepatocyte

In Vivo: Micronucleus

Result: Negative

Species: Mouse Bone marrow

Carcinogenicity: Due to partial or complete lack of data the classification is not possible.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects. This compound can cross the placenta in pregnant women. May be secreted in human breast milk.

Developmental effects:

Lincomycin hydrochloride

100mg/kg Prenatal & Postnatal Development, not teratogenic
Result: NOEL
Species: Rat
Organ: Oral

30mg/kg/day Peri/Postnatal Development, no effects at maximum dose
Result: NOAEL
Species: Rat
Organ: Subcutaneous

300mg/kg/day Embryo/Fetal Development, not teratogenic
Result: NOAEL
Species: Rat
Organ: Subcutaneous

75mg/kg/day Fertility and Embryonic Development, no effects at maximum dose
Result: NOAEL
Species: Rat
Organ: Subcutaneous

Spectinomycin sulphate tetrahydrate

1000mg/kg/day Embryo/Fetal Development (Maternal Toxicity)
Result: NOAEL
Species: Rat
Organ: Oral

2000mg/kg/day Embryo/ Fetal development (Fetotoxicity)
Result: NOAEL
Species: Rat
Organ: Oral

Reproductivity:

Lincomycin hydrochloride

100mg/kg 2 Generation Reproductive toxicity, Fetotoxicity
Result: LOAEL
Species: Rat
Organ: Oral

Spectinomycin sulphate tetrahydrate 2000mg/kg/day Reproductive & fertility Development (Maternal Toxicity, Paternal toxicity, Fetotoxicity)
Result: NOAEL
Species: Rat
Organ: Oral

400mg/kg/day Reproductive & fertility Development (Maternal Toxicity, Paternal toxicity, Fetotoxicity)
Result: NOEL
Species: Rat
Organ: Oral

Chronic effects: Prolonged inhalation may be harmful.

Section 12 - Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

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 Sulphate 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

Other adverse effects: no other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 - Disposal Considerations

Shake container into medicated feed, water, dip, drench, etc. Do not dispose of undiluted chemicals on-site. Break, crush, or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this

purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

Section 14 - Transport Information

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

Section 15 - Regulatory Information

Poisons Schedule: *S4*

APVMA Approval Number: 86922

Approved pack size: 5kg, 20kg

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.**