



# LINCO-SPEC SOLUBLE POWDER FOR POULTRY AND SWINE

## Abbey Animal Health Pty Ltd SAFETY DATA SHEET

### Section 1- Identification of Product and Supplier

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

**Address:** 27/1 maitland Place, Norwest NSW 2153, Australia

**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 SOLUBLE POWDER FOR POULTRY AND SWINE

#### PRODUCT USE

Poultry: For the control and treatment of chronic respiratory disease (CRD) in poultry caused by avian mycoplasmas.

Swine: For the treatment of infections caused by organisms sensitive to the actions of lincomycin and/or spectinomycin, including swine dysentery (*Serpulina hyodysenteriae*), post-weaning bacterial enteritis and respiratory disease associated with Mycoplasma species.

### Section 2- Hazards Identification

#### Statement of Hazardous Nature

This product is classified as: Classified as hazardous according to the criteria of SWA.

**ADG Classification:** None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA or IMDG/IMSBC criteria.

#### GHS - CLASSIFICATION

Skin Sensitization: Category 1

Serious eye damage/eye irritation: Category 2A

## PICTOGRAM



**SINGAL WORD:** Warning

## HAZARD STATEMENT:

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

## PREVENTION

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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/protective clothing/eye protection/face protection.

## 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.

P362: Take off contaminated clothing and wash before reuse.

## STORAGE

P411: Store below 30°C (Room Temperature).

P232: Protect from moisture.

## DISPOSAL

P501: Dispose of container by wrapping with paper and putting in garbage.

## Section 3- Composition / Information on Ingredients

### INGREDIENTS:

| Chemical Name                      | CAS No.    | Concentration |
|------------------------------------|------------|---------------|
| Spectinomycin Sulfate Tetrahydrate | 64058-48-6 | 444 mg/g      |
| Lincomycin Hydrochloride           | 7179-49-9  | 222 mg/g      |
| No-hazardous Ingredients           | Secret     | Secret        |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other nonhazardous ingredients are also present.

## 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.***

**Eye Contact:** Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin Contact:** 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.

**Swallowed:** Rinse mouth. Get medical attention if symptoms occur. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

## Section 5- Fire Fighting Measures

**Extinguishing Media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Apply extinguishing media carefully to avoid creating airborne dust.

**Hazardous Combustion Products:** During fire, gases hazardous to health may be formed. 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.

**Fire / Explosion Hazards:** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers

**Advice for Fire-Fighters:** During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

## Section 6 - Accidental Release Measures

### Methods and Material for Containment and Cleaning Up:

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 labeled 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.

Never return spills to original containers for re-use.

## Section 7 - Handling and Storage

**Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep away

from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe dust. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

**Storage:** Keep containers tightly closed in a dry, cool, and well-ventilated place. Store away from incompatible materials. Store below 30°C.

## 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 limit for Lincomycin Hydrochloride Monohydrate TWA is 100 µg/m<sup>3</sup> and Spectinomycin Sulfate Tetrahydrate TWA is 2000 µg/m<sup>3</sup>.

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL (occupational exposure limit), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station.

### **Personal Protective Equipment:**

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection/ Hand protection:** Wear appropriate chemical resistant gloves and clothing.

**Respiratory protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols, or vapors are likely.

**Thermal protection:** Wear appropriate thermal protective clothing, when necessary.

## Section 9 - Physical and Chemical Properties

|                            |                        |
|----------------------------|------------------------|
| Physical State             | Solid Powder           |
| Colour                     | Off-white to Light tan |
| Odour                      | N.A.                   |
| pH                         | N.A.                   |
| Melting/Freezing Point(°C) | N.A.                   |
| Boiling Point              | N.A.                   |
| Vapor Pressure             | N.A.                   |
| Viscosity                  | N.A.                   |

## Section 10 - Stability and Reactivity

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

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

**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.

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

## Section 11 - Toxicological Information

**Inhalation:** Dust may irritate respiratory system. Prolonged inhalation may be harmful. Not a respiratory sensitizer.

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

**Eye contact:** Causes serious eye irritation.

**Ingestion:** Expected to be a low ingestion hazard.

### Acute Toxicity:

#### Lincomycin Hydrochloride Monohydrate

|              |      |       |                             |
|--------------|------|-------|-----------------------------|
| Intravenous  | LD50 | Mouse | 1022 mg/kg                  |
| Oral         | LD50 | Rat   | > 4000 mg/kg                |
| Other        | LD50 | Rat   | 342 mg/kg (Para-periosteal) |
| Subcutaneous | LD50 | Rat   | 9778 mg/kg                  |

### **Chronic Toxicity:**

**Oral** NOAEL Dog 100 mg/kg/day, 6 months (Target organ(s): Immune system)

### **Subacute:**

**Oral** NOAEL Rat 300 mg/kg/day, 30 days (No effects at maximum dose)

**Subcutaneous** NOAEL Rat 60 mg/kg/day, 30 days (Target organ(s): None identified)

### **Subchronic:**

**Oral** LOAEL Dog 400 mg/kg/day, 3 months (Target organ(s): None identified)

**Oral** NOAEL Rat 300 mg/kg/day, 3 months (Target organ(s): None identified)

### **Spectinomycin Sulfate Tetrahydrate**

### **Acute:**

**Intravenous** LD50 Mouse 1022 mg/kg

**Oral** LD50 Rat > 5000 mg/kg

### **Subchronic:**

**Oral** LOAEL Rat 3000 mg/kg/day, 13 weeks (Target organ(s): None identified)

**Oral** NOAEL Dog 50 mg/kg/day, 90 days (Target organ(s): None identified)

**Oral** NOAEL Rat 400 mg/kg/day, 13 weeks (Target organ(s): None identified)

**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 Monohydrate**

Bacterial Mutagenicity (Ames) *Salmonella* Negative

Direct DNA Interaction Human lymphocytes Negative

In Vivo Micronucleus Rat Negative

Mammalian Cell Mutagenicity Mouse Lymphoma Negative

#### **Spectinomycin Sulfate Tetrahydrate**

Bacterial Mutagenicity (Ames) *Salmonella* Negative

In Vitro Chromosome Aberration Chinese Hamster Ovary (CHO) cells Negative

In Vitro Unscheduled DNA Synthesis Rat Hepatocyte Negative

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

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

### Developmental effects

#### Lincomycin Hydrochloride Monohydrate

|  |                    |       |
|--|--------------------|-------|
| 100 mg/kg Prenatal & Postnatal Development, Not Teratogenic                  | RAT (oral)         | NOAEL |
| 30 mg/kg/day Peri-/Postnatal Development, No effects at maximum dose         | RAT(Subcutaneous)  | NOAEL |
| 75 mg/kg/day Fertility and Embryonic Development, No effects at maximum dose | Rat (Subcutaneous) | NOAEL |

#### Spectinomycin Sulfate Tetrahydrate

|  |            |       |
|--|------------|-------|
| 1000 mg/kg/day Embryo / Fetal Development, (Maternal Toxicity) | RAT (Oral) | NOAEL |
| 2000 mg/kg/day Embryo / Fetal Development, (Fetotoxicity)      | RAT (Oral) | NOAEL |

### Reproductivity

#### Lincomycin Hydrochloride Monohydrate

|  |            |       |
|--|------------|-------|
| 100 mg/kg 2 Generation Reproductive Toxicity, Fetotoxicity | Rat (oral) | LOAEL |
|--|------------|-------|

#### Spectinomycin Sulfate Tetrahydrate

|   |            |       |
|---|------------|-------|
| 2000 mg/kg/day Reproductive & Fertility, (Maternal Toxicity, Paternal toxicity, Fetotoxicity) | Rat (oral) | NOAEL |
| 400 mg/kg/day Reproductive & Fertility, (Maternal toxicity, Paternal toxicity, Fetotoxicity)  | Rat (oral) | NOAEL |

**Chronic effects:** Prolonged inhalation may be harmful.

## Section 12 - Ecological Information

**Environmental Overview:** 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.

### Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

#### Lincomycin Hydrochloride Monohydrate

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

**Spectinomycin Sulfate Tetrahydrate**

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

**Persistence and degradability:** No data is available

**Bio accumulative potential:**

**Partition coefficient n-octanol / water (log Kow)-**

Spectinomycin Sulfate Tetrahydrate: -2.44, (Log D, measured, pH 7.4)

**Mobility in soil:** This product is miscible in water.

### Section 13 - Disposal Considerations

Dispose of container by wrapping with paper and putting in garbage. Dispose of unused medicated drinking water by burying in a hygienic landfill away from water courses.

### Section 14 - Transport Information

No specific transport considerations apply since *LINCO-SPEC SOLUBLE POWDER FOR POULTRY AND SWINE* is NOT classified as a dangerous good according to Australian Dangerous Goods (ADG) Code.

### Section 15 - Regulatory Information

**Poisons Schedule:** S4

**APVMA Approval Number:** 86919

**Approved pack size:** 150g, 10x150g

*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*

*First Effective Date: 7<sup>th</sup> of November 2025*

*Page 8 of 9*

*information of the product according to the GHS requirements 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.**