

## SAFETY DATA SHEET

### Pharmasin 25% Granular Premix

#### Section 1: Identification of the Substance and Supplier

<b>Product Name:</b>	Pharmasin 25% Granular Premix
<b>ACVM Registration Number:</b>	A10451
<b>UN name and number:</b>	<b>UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tylosin phosphate, 25%)</b>
<b>Pack sizes:</b>	<b>1kg, 5kg, 20kg, 25kg</b>
<b>Recommended Use:</b>	For broiler chickens & replacement layers: As an aid in the control of chronic respiratory disease (CRD) caused by <i>Mycoplasma gallisepticum</i> and <i>Mycoplasma synoviae</i> . For the treatment and prevention of necrotic enteritis associated with susceptible strains of <i>Clostridium perfringens</i> .  For Pigs: For treatment and prevention of Ileitis.  For beef cattle: For the reduction in the incidence of liver abscess.
<b>Company Details:</b>	AgriHealth NZ Ltd Unit 1.2, 89 Grafton Road, Grafton, Auckland 1010, New Zealand Phone: +64 9 215 1199      Fax: +64 9 984 9455 Website: <a href="http://www.agrihealth.co.nz">www.agrihealth.co.nz</a>
<b>Emergency Telephone:</b>	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111

#### Section 2: Hazards Identification

Classified as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**Pharmasin 25% Granular Premix** is approved pursuant to the HSNO Act 1996, **HSR002370**. The EPA website [www.epa.govt.nz](http://www.epa.govt.nz) should be consulted for the full list of triggered controls and cited regulations.

**Hazard Classifications:**

- 6.4A Eye irritant
- 6.5A Respiratory sensitiser
- 6.5B Contact sensitiser (skin allergen)
- 9.1A Aquatic ecotoxin

**Signal word:** **DANGER**

**Hazard statements:**

- Causes serious eye irritation
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- Very toxic to aquatic life

**Precautionary statements:**

- Read label before use
- Wear protective gloves, clothing and eye protection
- Wash hands and exposed skin thoroughly after handling
- Contaminated work clothing should not be allowed out of the workplace
- Wash contaminated clothing before reuse
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- If eye irritation persists: get medical advice/attention
- Avoid breathing dust
- In case of inadequate ventilation wear respiratory protection
- IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
- If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Avoid release to the environment
- Collect spillage

### Section 3: Composition / Information on Ingredients

**Product Components:**

Name	CAS Number	Concentration
Tylosin phosphate	1401-69-0	25%
Non-hazardous components	N/A	75%

N/A = not applicable or not available

## Section 4: First Aid Measures

- First Aid Measures:** For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor, immediately.
- General: Hypersensitive persons must be evacuated from the area of contamination. Contaminated clothing must be taken off. The person must receive immediate medical attention.
- Skin Contact: If skin contact occurs remove contaminated clothing and wash skin with soap and water. If skin irritation, rash or symptoms occur or persist, consult a doctor.
- Eyes: If eye contact occurs, flush eyes with water. If wearing contact lenses, remove only after initial rinse and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.
- Ingestion: If swallowed seek medical attention. DO NOT induce vomiting.
- Inhalation: Remove to fresh air. If symptoms occur or persist, consult a doctor.
- Workplace Facilities:** No special facilities are required.
- Required Instructions:** Wear protective gloves, clothing and eye protection. Contaminated work clothing should not be allowed out of the work place. Wash contaminated clothing before reuse.
- Notes for Medical Personnel:** Treat exposed patients symptomatically.

## Section 5: Fire Fighting Measures

- Type of hazard:** Non-flammable
- Fire Hazard Properties:** This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential build-up of static electricity. When heated to decomposition no toxic fumes are emitted.
- Extinguishing Media and Methods:** Water spray, dry powder, carbon dioxide, or foam
- Hazchem Code:** 2Z
- Recommended Protective Clothing:** Wear full protective clothing and self-contained breathing apparatus (SCBA)

## Section 6: Accidental Release Measures

<b>Personal precautions:</b>	Wear suitable protective clothing including eye protection.
<b>Emergency Procedures:</b>	Wear suitable protective clothing including eye protection. Restrict access to contaminated area. Prevent further spillage. Retrieve intact containers from site. Place damaged containers into containment devices. Vacuum material with appropriate dust collection filter in place. Be aware of potential for dust explosion when using electrical equipment. If vacuum is not available, lightly mist material and remove by sweeping or wet wiping. Take care not to disperse the dust. Place spilled material in sealable containers for disposal. Wash the area with water and detergent. Absorb washings and place in the same sealable container for disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

## Section 7: Handling and Storage

<b>Precautions for Safe Handling:</b>	Wear protective gloves, clothing, eye and face protection Avoid contact with skin and eyes Avoid the formation of dust and aerosols. Avoid breathing dust. Provide exhaust ventilation if dust is formed
<b>Regulatory Requirements:</b>	An emergency response plan is required when stored in quantities of <b>100kg</b> or greater. Signage is required for this substance when stored in quantities of <b>100kg</b> or greater.
<b>Handling Practices:</b>	Avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat, drink or smoke while using. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
<b>Approved Handlers:</b>	Not required
<b>Conditions for Safe Storage:</b>	Store below 25°C. Store in the original container in a dry place, away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.
<b>Packaging:</b>	Store in original container, away from foodstuffs. UN packing group III

## Section 8: Exposure Control / Personal Protection

**Workplace Exposure Standards:** None set

**Application in the Workplace:** Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent inhalation of dust and contact with skin and eyes. Local exhaust hood recommended. General exchange recommended.

**Exposure Standards outside the Workplace:** None set

**Engineering Controls:** Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection.

**Personal Protection:** Wear protective gloves, eye safety glasses and protective clothing and face protection. 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>Product Properties:</b>	Appearance:	Off-white to beige granules
	Melting Point:	137°C to 143°C
	pH of 2.5% aqueous solution:	5.0 – 7.2
	Solubility in water:	Freely soluble
	Solubility in methyl alcohol:	Freely soluble
	Solubility in dichlormethane:	Freely soluble
	Solubility in chloroform:	Freely soluble
	Solubility in ethyl alcohol:	Soluble
	Solubility in cyclohexane:	Insoluble

## Section 10: Stability and Reactivity

<b>Stability of the Substance:</b>	Stable under normal conditions of use and storage
<b>Conditions to Avoid:</b>	Avoid heat, light and moisture
<b>Material to Avoid:</b>	Water
<b>Hazardous Decomposition Properties:</b>	Does not occur
<b>Hazardous Polymerisation:</b>	Does not occur

## Section 11: Toxicological Information

**HSNO Classification:** 6.4A, 6.5A, 6.5B

No data is available for the formulated product. The following information relates to tylosin phosphate.

**Acute toxicity:**

Rat, oral LD<sub>50</sub>: 6200 mg/kg b.w.

Mouse oral LD<sub>50</sub>: 6200 mg/kg b.w.

Chicken oral LD<sub>50</sub>: 4550 mg/kg b.w.

Skin Contact: Rabbit, not irritant

Eye Contact: Rabbit, irritant

**Sensitization:** Guinea pig, positive contact sensitizer

## Section 12: Environmental Information

**HSNO Classification:** 9.1A

No data is available for the formulated product. The following information relates to tylosin phosphate.

**Toxicity:** Highly toxic to algae. Practically non-toxic to fish, birds, earthworms and aquatic invertebrates.

**Persistence and degradability:** Not persistent in the environment due to degradation and possible photolysis.

**Bioaccumulative potential:** Tylosin is unlikely to accumulate in soils over time.

## Section 13: Disposal Considerations

**Disposal Information:** Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water supply with product or empty container.

## Section 14: Transport Information

**Land Transport** Classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.

**Air Transport** Classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations

**Sea Transport** Classified as dangerous goods for transport under International Maritime Organisation regulations

<b>UN Number</b>	3077
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (tylosin phosphate 25%)
<b>DG Class</b>	9
<b>Subsidiary Risk</b>	N/A
<b>Packing Group</b>	III
<b>HAZCHEM Code</b>	2Z
<b>Marine Pollutant</b>	Yes

The maximum quantity of this substance allowed for carriage on public service vehicles is 3kg.

### Section 15: Regulatory Information

**Regulatory Status:** Registered pursuant to the ACVM Act 1997, No A10451  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

**HSNO and ACVM Controls:** Refer to section 2

**List Exposure Limits:** None set

An SDS must be provided whenever **3kg** of Pharmasin 25% Granular Premix is sold or supplied.

An emergency response plan is required when stored in quantities of **100kg** or greater.

Signage is required for this substance when stored in quantities of **100kg** or greater.

### Section 16: Other Information

**Additional Information:** For product information see the AgriHealth website:  
[www.agrihealth.co.nz](http://www.agrihealth.co.nz)

Date of preparation: 17 November 2015

Due for revision within 5 years.

The SDS summarises, at the date of issue, AgriHealth's best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, AgriHealth NZ Ltd extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. AgriHealth NZ Ltd urges the recipient of this SDS to study it carefully to become aware of, and understand, the hazards associated with the product as well as determine the suitability of the information for the intended purpose.