



## SAFETY DATA SHEET

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

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

Product: **Pharmasin 25% Premix**  
 Pack size: 1kg, 5kg, 20kg, 25kg  
 Product Use: For broiler chickens & replacement layers: As an aid in the Treatment and prevention of chronic respiratory disease (CRD) caused by susceptible strains of *Mycoplasma gallisepticum* and/or *Mycoplasma synoviae*. For the treatment and prevention of necrotic enteritis associated with susceptible strains of *Clostridium perfringens*. For Pigs: For treatment and prevention of ileitis caused by *Lawsonia intracellularis*.

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: 23 April 2025

### Section 2. Hazards Identification

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

**EPA Approval No: HSR002370**

#### Pictograms



Signal Word: **DANGER**

GHS Category	Hazard Code	Hazard Statement
Serious eye damage/eye irritation Cat. 2	H319	Causes serious eye irritation
Respiratory sensitisation Cat. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
Hazardous to the aquatic environment acute Cat. 1	H400	Very toxic to aquatic life
Hazardous to the aquatic environment chronic Cat. 1	H410	Very toxic to aquatic life with long lasting effects

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions
P261	Avoid breathing dust
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective clothing as detailed in SDS Section 8
P285	In case of inadequate ventilation wear respiratory protection

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand
P391	Collect spillage
P302 + P352	IF ON SKIN: Wash with plenty of water
P304 + P341	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P362+P364	Take off contaminated clothing and wash before reuse

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

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

Ingredients	Concentration w/w%	CAS NUMBER.
Tylosin phosphate	25	1405-53-4
Starch	0.5 – 1.5	9005-25-8
Non-hazardous ingredients	Bal to 100%	Proprietary

### 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	Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Do not induce vomiting. Never give anything to the mouth of an unconscious person. Call the National Poisons Centre 0800 764 766 or a doctor/physician for advice.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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

**Ingestion:** Not applicable

**Inhalation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled

Product Name: Pharmsin 25% Premix  
Date of SDS: 23 April 2025

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Tel: 64 9 475 5240 www.techcomp.co.nz

**Skin:** May cause an allergic skin reaction

**Eyes:** Causes serious eye irritation

Notes to doctor: Treat exposed patients symptomatically

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-Flammable
<b>Hazards from products</b>	Toxic fumes may be released
<b>Suitable Extinguishing media</b>	Water spray, dry powder or foam
<b>Precautions for firefighters and special protective clothing</b>	Do not attempt to take action without protective equipment. Self-contained breathing apparatus. Complete protective clothing.
<b>HAZCHEM CODE</b>	<b>22</b>

### Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust.

Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into Waterways.

Collect spillage. Mechanically recover the product. Dispose of materials or solid residues at an authorised site. Dispose of waste safely as per Section 13.

### Section 7. Handling and Storage

#### Precautions for Handling:

- Read carefully and follow all instructions
- Avoid breathing dust
- Wash hands thoroughly after handling
- Contaminated work clothing should not be allowed out of the workplace and must be washed before reuse
- Avoid release to the environment
- Wear protective clothing as detailed in SDS Section 8
- Ensure good ventilation of the work station
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product
- Avoid formation of dust and aerosols
- Provide exhaust ventilation if dust is formed

#### Precautions for Storage:

- Store away from incompatible materials listed in Section 10
- Store in a cool, well-ventilated place
- Store <25°C
- Store in the original container in a dry place, away from direct heat or sunlight
- Keep container sealed when not in use
- Keep out of reach of children
- Store away from foodstuffs

**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>
Starch	[9005-25-8]	-	10	-	-

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 Nov 2023 14TH EDITION.

**Engineering Controls**

No special requirements.

**Personal Protection Equipment**

<b>Eyes</b>	Wear safety glasses
<b>Hands</b>	Wear suitable protective gloves. Wash hands after use
<b>Skin</b>	Suitable clothing to prevent skin contact
<b>Respiratory</b>	In case of inadequate ventilation wear respiratory protection
<b>General</b>	Wash hands with soap and water before breaks and after work. Avoid release to the environment. Do not eat, drink or smoke when using this product

**Section 9. Physical and Chemical Properties**

<b>Appearance</b>	Solid, granules
<b>Colour</b>	White, Dark beige
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH (2.5% Concentration)</b>	5 - 7
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	137 – 143°C
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable
<b>Explosive Limits</b>	45 – 2000 g/m <sup>3</sup> tylosin phosphate
<b>Vapour Pressure</b>	2.64 kPa (x10 <sup>-35</sup> )
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Water Solubility</b>	Soluble in water. Soluble in dichloromethane. Soluble in chloroform
<b>Partition Coefficient:</b>	Log Kow: 1.63 Log Pow: 1.18 pH 7
<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 of use
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to Avoid</b>	High temperature, moisture, direct sunlight
<b>Incompatible Materials</b>	Water
<b>Hazardous Decomposition Products</b>	Does not occur

**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>	Causes serious eye irritation
<b>Skin</b>	May cause an allergic skin reaction

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable
<b>Reproductive Toxicity</b>	Not applicable
<b>Germ Cell Mutagenicity</b>	Not applicable
<b>Aspiration</b>	Not applicable
<b>STOT/SE</b>	Not applicable
<b>STOT/RE</b>	Not applicable

**Acute toxicity:**

<b>Ingredient</b>	<b>LD<sub>50</sub></b>	<b>Species</b>	<b>Test results</b>
Tylosin phosphate	Oral	Rat	6200 mg/kg

**Section 12. Ecotoxicological Information**

Very toxic to aquatic life with long lasting effects. Highly toxic to algae. Practically non-toxic to fish, birds, earthworms and aquatic invertebrates.

<b>Product:</b>	
<b>Persistence and degradability</b>	Not persistent in the environment due to degradation and possible photolysis
<b>Bioaccumulation</b>	Log Pow: 1.18 (pH 7) Log Kow: 1.63
<b>Mobility in Soil</b>	Tylosin is unlikely to accumulate in soils over time
<b>Other adverse effects</b>	No data available

Do not allow to enter waterways.

**Section 13. Disposal Considerations****Disposal Method:**

Preferably dispose of the product by use. Otherwise dispose of contents/container in accordance with local/national/international regulations.

**Precautions or methods to avoid:** Avoid contamination of any water supply with product or empty container.

**Section 14. Transport Information**

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

**Road, Rail, Sea and Air Transport**

<b>UN No</b>	3077
<b>Class - Primary</b>	9
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Tylosin phosphate)
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

**Section 15. Regulatory Information**

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

EPA Approval No: **HSR002370**

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities (Schedule 26)	Not required
Signage Trigger Quantities (Schedule 3)	100 kg
Emergency Response Plan (Schedule 5)	100 kg
Secondary Containment (Schedule 5)	100 kg
Restriction of Use	Only use for the intended purpose
<b>ACVM Act and Regulations</b>	
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions	<b>A10451</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 Nov 2023 14<sup>th</sup> 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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