



Date of preparation:
16 November 2015

SAFETY DATA SHEET

Technulin 2.5% Premix

Section 1: Identification of the Substance and Supplier

Product Name:	Technulin 2.5% Premix
ACVM Registration Number:	A4209
UN name and number:	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (tiamulin hydrogen fumarate, 2.5%)
Recommended Use:	<i>For the control and treatment of chronic respiratory disease in poultry. For the control of swine enzootic (Mycoplasmal) pneumonia, and prevention and treatment of swine dysentery in pigs.</i>
Company Details:	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: www.agrihealth.co.nz
Emergency Telephone:	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.

Technulin 2.5% Premix is approved pursuant to the HSNO Act 1996, **HSR002290**. The EPA website www.epa.govt.nz should be consulted for the full list of triggered controls and cited regulations.

Hazard Classifications: 6.9B Target organ toxin
9.1A Aquatic ecotoxin

Signal word: WARNING

Hazard statements: Read label before use

May cause damage to liver through prolonged or repeated exposure

Precautionary statements: Very toxic to aquatic life
Do not breathe dust
Get medical advice/attention if you feel unwell
Avoid release to the environment
Collect spillage

Section 3: Composition / Information on Ingredients

Product Components:

Name	CAS Number	Concentration
Tiamulin hydrogen fumarate	55297-96-6	2.5%
Non-hazardous components	N/A	97.5%

N/A = not applicable or not available

Section 4: First Aid Measures

General information: For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor.

After inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, get medical advice/attention.

After contact with skin: Remove immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs, or if you feel unwell: Get medical advice/attention.

After contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation develops, get medical advice/attention.

After ingestion: Rinse mouth. Do not induce vomiting.

Workplace Facilities: No special facilities are required.

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.

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

Personal precautions:	Wear suitable protective clothing including eye protection.
Methods for cleaning up:	Restrict access to contaminated area. Prevent further spillage, and prevent spilled material from flowing onto adjacent land or into waterways. Retrieve intact containers from site. Place damaged containers into containment devices. Seep up spillage and place the spillage into sealable containers for disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

Section 7: Handling and Storage

Precautions for Safe Handling:	Avoid the formation and deposition of dust. Provide exhaust ventilation if dust is formed.
Precautions for protection against fire and explosion	Take precautionary measures against electrostatic loading. Avoid formation of dust. Observe the general rules of industrial fire protection.
Storage	Keep only in the original container. Keep container tightly closed, cool and dry, avoiding direct sunlight and temperatures above 30°C.
Regulatory Requirements:	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.
Approved Handlers:	Not required

Section 8: Exposure Control / Personal Protection

Personal protective equipment	
General protective measures	Do not inhale dust/mist. Avoid contact with eyes and skin.
Hygienic measures	Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. After worktime and during work intervals the affected skin areas must be thoroughly cleaned.
Hand protection:	Rubber gloves
Eye protection:	Safety glasses with side protective shield
Skin protection:	Protective clothing

Section 9: Physical and Chemical Properties

Appearance:	Powder
Physical state:	Solid
Color:	White to very pale yellow
Boiling point:	No applicable information found
Melting point:	No applicable information found
Vapour pressure:	No applicable information found
Vapour density:	No applicable information found
Relative density:	N/A
Solubility:	Soluble in water.

Section 10: Stability and Reactivity

Stability:	Stable under normal conditions and recommended use
Conditions to avoid	None known

Section 11: Toxicological Information

HSNO Classification: 6.9B

No data is available for the formulated product. The following information relates to tiamulin hydrogen fumarate.

Tiamulin hydrogen fumarate:

Acute toxicity:

Animal species	Sex	Route of administration	LD ₅₀ (mg/kg body weight)
Mouse	Female	Per os	650
	Male	Per os	770
	Male/female	IV	49
	Male/female	SC	1020
Rat	Male	Per os	2740
	Female	Per os	1830
	Male/female	IV	20
	Male/female	SC	4380
	Male/female	Per os	1550
Chicken (4 weeks)	Male/female	IV	25
	Male/female	IM	250
Turkey (3 weeks)	Male/female	Per os	1345
	Male/female	IM	409

Section 12: Environmental Information

HSNO Classification: 9.1A

No data is available for the formulated product. The following information relates to tiamulin hydrogen fumarate.

Tiamulin hydrogen fumarate:

Algae: Microcystis aeruginosa 0.003mg/L 72hr EC₅₀

Terrestrial vertebrate: Oral toxicity > 650mg/kg (see toxicity)

Not expected to bioaccumulate.

Not persistent in the environment. Soil: DT₉₀ 74 days.

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.

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
UN Number	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (tiamulin hydrogen fumarate, 2.5%)
DG Class	9
Subsidiary Risk	N/A
Packing Group	III
HAZCHEM Code	2Z
Marine Pollutant	Yes

There is no restriction on the quantity of this substance carried on public service vehicles.

Section 15: Regulatory Information

Regulatory Status: Registered pursuant to the ACVM Act 1997, No A4209
See 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 Techmulin 2.5% 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

Date of preparation: 16 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.