AgriHealth
Evidence based vet medicines

Date of preparation:
16 November 2015

SAFETY DATA SHEET

Yumamycin 1% microGranulate

Section 1: Identification of the Substance and Supplier

Product Name:	**Yumamycin 1% microGranulate**
ACVM Registration Number:	A11189
Recommended Use:	*For use only in broiler chicken feeds for the prevention and control of coccidiosis caused by Eimeria acervulina, E. brunetti, E. maxima, E. mivati, E. necatrix and E. tenella..*
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.

Yumamycin 1% microGranulate is approved pursuant to the HSNO Act 1996, within the **Veterinary Medicine (Non-dispersive Open System Application) Group Standard 2012, HSR100759.** The EPA website www.epa.govt.nz should be consulted for the full list of triggered controls and cited regulations.

Hazard Classifications:	6.3B Skin irritant
	6.4A Eye irritant
	6.9B
Signal word:	WARNING
Hazard statements:	Read label before use
	Causes mild skin irritation
	Causes eye irritation
	May cause damage to organs through prolonged or repeated exposure
Precautionary statements:	Wash hands and exposed skin thoroughly after handling
	Do not breathe dust

Section 3: Composition / Information on Ingredients

Product Components:

Name	CAS Number	Concentration
Maduramicin ammonium	84878-61-5	1%
Non-hazardous components	N/A	99%

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. If medical advice is needed, have product container or label at hand.

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 and wash before reuse. 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. Immediately call the National Poisons Centre 0800 POISON (0800 764 766) or a doctor/physician.

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: N/A

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. Sweep 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 25°C.
Regulatory Requirements:	An emergency response plan is not required for this substance. Signage is not required for this substance.
Approved Handlers:	Not required

Section 8: Exposure Control / Personal Protection

Personal protective equipment	
General protective measures	Do not inhale dust. 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
Respiratory protection:	Not normally required if good ventilation is maintained. If the operations involve the risk of exposure to dust, wear either a disposable filter and half mask or a non-disposable respirator.

Section 9: Physical and Chemical Properties

Appearance:	Granules
Physical state:	Solid
Color:	White
Boiling point:	No applicable information found
Melting point:	168 - 174°C
Vapour pressure:	No applicable information found
Vapour density:	No applicable information found
Relative density:	N/A
Solubility:	Insoluble in water Soluble in chloroform and methanol

Section 10: Stability and Reactivity

Stability: Stable under normal conditions and recommended use

Conditions to avoid Do not mix with other chemicals. Avoid acids.
Hazardous decomposition products: Risk of dust explosions.

Section 11: Toxicological Information

HSNO Classification: 6.3B, 6.4A, 6.9B

Acute oral toxicity
Mice:

Maduramicin ammonium:	LD50 = 35 mg/kg b.w.
Yumamycin 1%:	LD50 >> 3500 mg/kg b.w.

Rats:

Maduramicin ammonium:	LD50 = 33 mg/kg b.w.
Yumamycin 1%:	LD50 >> 3300 mg/kg b.w.

Chickens for fattening:

Maduramicin ammonium:	LD50 = 20.0 - 20.8 mg/kg b.w.
Yumamycin 1%:	LD50 = 2000 - 2080 mg/kg b.w.

Acute dermal toxicity

Maduramicin ammonium: albino rats:	LD50 (male) = 9.40 mg/kg LD50 (female) = 7.90 mg/kg
Yumamycin 1%: albino rats:	LD50 (male and female) > 2000 mg/kg

Acute inhalatory toxicity
Yumamycin 1%: LC50 albino rats: > 2954.9 mg/m^3

Eye irritation
Yumamycin 1% - rabbit – causes moderate eye irritation with symptoms of pain and changes in the cornea and the conjunctiva of the eye. This information is confirmed by data obtained with maduramicin ammonium.

Skin irritation

Yumamycin 1% - rabbits – 500 mg - lack of irritation and corrosive potential.

Skin sensitisation effect
Yumamycin 1% – albino guinea pigs – not a contact sensitiser.

Mutagenicity
The active ingredient maduramicin ammonium was found to be a non-mutagenic agent in the mouse micronucleus test.

Reproductive toxicity
The teratogenic studies performed on the active ingredient maduramicin ammonium demonstrated no teratogenic potential.

Section 12: Environmental Information

HSNO Classification: Not hazardous

Not expected to bioaccumulate.
Not persistent in the environment.

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	Not classified as dangerous goods for transport under NZ Standard 5433:2007 Transport of Dangerous Goods on Land.
Air Transport	Not classified as dangerous goods for transport under International Civil Aviation Organisation and International Air Transport Association regulations
Sea Transport	Not classified as dangerous goods for transport under International Maritime Organisation regulations
UN Number	N/A
Proper Shipping Name	N/A
DG Class	N/A
Subsidiary Risk	N/A
Packing Group	N/A
HAZCHEM Code	N/A
Marine Pollutant	No

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 A11189
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 Yumamycin 1% microGranulate is supplied.

An emergency response plan is not required when stored in any quantity.

Signage is not required for this substance when stored in any quantity.

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.