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RESPIRMYCIN Injection Safety Data Sheet
Revision 1, Date 17 November 2022

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: RESPIRMYCIN injection
Other names: Not Applicable
Recommended use: FOR ANIMAL TREATMENT ONLY. For the treatment of respiratory infections in cattle and pigs

MANUFACTURER COMPANY DETAILS:
Parnell Technologies Pty. Ltd.

Address
Unit 4, Century Estate
476 Gardeners Road
Alexandria, NSW 2015
Australia

Telephone Number
+61 2 9667 4411

Emergency Telephone Number
+61 2 9667 4411 (Business Hours)

Facsimile Number
+61 2 9667 4139

DISTRIBUTOR DETAILS:
Parnell U.S. 1, Inc

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913.274.2100

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2. HAZARDS IDENTIFICATION

Hazardous substance according to criteria of Safe Work Australia.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Tulathromycin	217500-96-4	10% w/v
Propylene Glycol	57-55-6	50% w/v
Monothioglycerol	96-27-5	0.5% w/v
Citric Acid (pH Adjustment)	77-92-9	<2% w/v
Hydrochloric Acid (pH Adjustment)	7647-01-0	<1% w/v
Water	7732-18-5	to 100%

4. FIRST AID MEASURES

Wash off any *RESPIRMYCIN* contacting skin immediately using soap and water. Seek medical assistance if required.

Swallowed: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical intention immediately.
Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek medical assistance if required.
Skin: If skin contact occurs remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical assistance if required.

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Inhaled: In case of inhalation, remove to fresh air and keep patient at rest. Seek medical assistance if required.
First Aid Facilities: No specific first aid facilities required.
ADVICE TO DOCTOR: Treat symptomatically as required.

5. FIRE-FIGHTING MEASURES

This material is not considered a fire hazard. Use standard firefighting techniques to extinguish fires involving this material. Use water spray, dry chemical, carbon dioxide or foam.

6. ACCIDENTAL RELEASE MEASURES

Clear immediate area of unprotected personnel. Clean up spilled material with absorbent ensuring no contact with skin during operation. Flush contaminated area with water and detergent.
Dispose of waste in accordance with local, state or federal laws.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing.
Storage: Store below 25°C (77°F).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

Tulathromycin	No additional information available
Propylene Glycol	
Australia TWA	150 ppm 474 mg/m^3 10 mg/m^3
Hydrochloric Acid	
Australia PEAK	5 ppm 7.5 mg/m^3

Engineering Controls: Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Personal Protection:
Wear gloves when handling product.
Wear safety glasses or goggles if eye contact is possible.
Wear impervious protective clothing to prevent skin contact - consider use of disposable clothing where appropriate.
Avoid spraying or splashing of the preparation.
Avoid inhalation of aerosol spray or vapour of the preparation.
Avoid eating, drinking or smoking in area of product or during handling of product.
Avoid contamination of work area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour
Clear, colourless to slightly yellow solution free from particulate matter.

Boiling Point
Not determined

Melting Point
Not determined

Vapour Pressure
Not determined

Specific Gravity
1.05 - 1.07

Flash Point
Not determined

Flammability Limits
Not determined

Solubility in Water
Not determined

Other Properties
Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use
Conditions to avoid: Fine particles (such as dust and mists) may fuel fires/explosions
Incompatible materials: As a precautionary measure, keep away from strong oxidizers
Hazardous decomposition products: No data available
Hazardous reactions: No data available

11. TOXICOLOGICAL INFORMATION

General Information: Toxicological properties of the formulation have not been investigated. The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Tulathromycin

Rat	Oral	LDmin.	> 2000 mg/kg
Rabbit	Dermal	LD50	> 2000 mg/kg

Citric acid

Rat	Oral	LD50	3000 mg/kg

Propylene glycol

Mouse	Oral	LD50	22,000 mg/kg
Rat	Oral	LD50	20,000 mg/kg
Rabbit	Dermal	LD50	20,800 mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

Tulathromycin

Bacterial Mutagenicity (Ames)	*Salmonella*	Negative
In Vitro Chromosome Aberration	Human Lymphocytes	Negative
In Vivo Micronucleus Chromosome Aberration	Rat	Negative
In Vitro Chromosome Aberration	Chinese Hamster Ovary (CHO) cells	Negative
In Vitro Mammalian Cell Mutagenicity	Chinese Hamster Ovary (CHO) cells	Negative

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

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HYDROCHLORIC ACID
IARC: Group 3 (Not Classifiable)

Chronic Exposure: Not applicable

12. ECOLOGICAL INFORMATION

Environmental Overview: Environmental properties of the formulation have not been investigated. The following information is available for the individual ingredients.

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

Daphnia magna (Water Flea)	OECD	EC50 4 8 Hours	64 mg/L
Mysidopsis bahia (Mysid Shrimp)	OECD	LC50 48 Hours	20 mg/L
Cyprinodon variegatus (Sheepshead Minnow)	OECD	LC50 4 8 Hours	20 mg/L
Oncorhynchus mykiss (Rainbow Trout)	OECD	LC50 96 Hours	> 982 mg/L
Selenastrum capricornutum (Green Alga)	OECD	EC-50 72 Hours	70 ug/L

Aquatic Toxicity Comments: A greater than (>) symbol indicates that acute ecotoxicity was not observed at the maximum solubility. Since the substance is insoluble in aqueous solutions above this concentration, an acute ecotoxicity value (i.e. LC/EC50) is not achievable.

Bacterial Inhibition: (Inoculum, Method, End Point, Result)
Tulathromycin
Polytox IC-50 19 mg/L

Persistence and Degradability: No data available
Bio-accumulative Potential: No data available
Mobility in Soil: No data available

13. DISPOSAL CONSIDERATIONS

Product: Observe all federal, state, and local environmental regulations.
Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

Dangerous Goods Class and Subsidiary Risk: No class and subsidiary risk allocated
Hazchem Code: No Hazchem code allocated
Store below 25°C (77°F)).

15. REGULATORY INFORMATION

Poisons Schedule: Schedule 4 (Australia)

16. OTHER INFORMATION

Issue Date: 13 October 2020

End of SDS