



Virbac New Zealand Limited

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Tetraguard LA**
Product Use: A broad-spectrum antibiotic for the control and treatment of diseases caused by a wide range of bacteria and certain rickettsiae.
Restriction of Use: Refer to Section 15
New Zealand Supplier: **Virbac New Zealand Limited**
Address: 26 – 30 Maui Street
Pukete, Hamilton
Telephone: +64 7 849 6782
Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)
Emergency No: 0800 764 766 (National Poison Centre)
Date of SDS Preparation: 25 November 2021

Section 2. Hazards Identification

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

EPA Approval No: Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2020 - HSR100757

Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Acute oral toxicity Cat. 4	H302	Harmful if swallowed.
Reproductive toxicity Cat. 1	H360	May damage fertility or the unborn child.
Serious eye damage Cat. 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.
Hazardous to terrestrial vertebrates	H432	Hazardous to terrestrial vertebrates

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.

Product Name: **Tetraguard LA**
Date of SDS: 25 November 2021

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

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Oxytetracycline dihydrate	20	6153-64-6
2-pyrrolidone	25 - 50	616-45-5 / 872-50-4

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately hold eyes open & wash continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart & away from eye & moving the eyelids by occasionally lifting the upper & lower lids. If discomfort persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
If on Skin	Immediately flush body & clothes with large quantities of water. Quickly remove all contaminated clothing & footwear. Wash affected areas with water (& soap if available) for at least 15 minutes. Obtain medical attention if irritation develops. Wash clothing before re-use.
If Swallowed	Contact doctor or National Poisons Centre (0800 764 766). DO NOT INDUCE VOMITING. Wash out mouth thoroughly with water & give plenty of water to drink. For significant quantities, lean patient forward or place on left side (head down, if possible) to maintain open airway & prevent aspiration & refer for medical attention without delay. Provide a copy of this document to the practitioner.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial

respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: On contact - skin rash, watery eyes, shortness of breath, coughing & wheezing &/or nasal congestion may occur. Ingestion may lead to abdominal pain, vomiting and diarrhoea. For allergic individuals the symptoms are more severe, especially difficulty in breathing, & immediate medical assistance is recommended. May cause kidney damage and foetal abnormalities.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	May emit toxic fumes when exposed to fire or heat.
Suitable Extinguishing media	Water spray or fog / foam / dry chemical powder / carbon dioxide.
Precautions for firefighters and special protective clothing	Breathing apparatus for fire only.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure. Non-essential personnel should be evacuated from the affected area.

In the event of a commercial scale spill, prevent spillage from entering drains or watercourses.

Re-position any leaking containers to minimise any further leakage. Dam and absorb spill with an absorbent material (sand or soil).

Shovel the absorbed material into a drum or similar robust container. Dispose of in an approved landfill. Decontaminate the spill area with detergent and water and rinse with the smallest volume of water possible. Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- In case of inadequate ventilation wear respiratory protection.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid contamination of any water supply with chemical or empty container.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in original container, tightly closed, away from foodstuffs.
- Store upright in a cool place.
- Do not freeze.
- Protect from light.
- Store locked up.

Section 8**Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
1-Methyl-2-pyrrolidone	[872-50-4]	25	103	75	309

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 2020 12TH EDITION.

Engineering Controls

Ensure adequate ventilation.

Personal Protection Equipment

Eyes	When handling in bulk wear suitable safety glasses.
Skin	When handling in bulk wear suitable gloves and protective clothing.
Respiratory	Not required.
Hygiene	Wash hands thoroughly with soap and water after handling.

Section 9**Physical and Chemical Properties**

Appearance	Amber solution
Odour	Odourless
Odour Threshold	Not available
pH	8 – 8.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Combustibility	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.13 g/L
Water Solubility	Soluble in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions of use.
Possibility of hazardous reactions	No data available.

Conditions to Avoid	Temperatures exceeding 20°C or less than 2°C.
Incompatible Materials	Solvents which may degrade the container. Strong oxidising agents (e.g. peroxides, permanganates, nitric acid etc).
Hazardous Decomposition Products	On heating to decomposition, emits toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye damage.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Acute Toxicity for components:

Pyrrolidone: Rat, oral: 100,000 mg/kg.
 Oxytetracycline dihydrate: Rat, oral: 800mg/kg. Mouse, oral 2240 mg/kg

Chronic Toxicity for components:

Oxytetracycline: Mouse oral 6700 mg/kg
 (NOEL) for maternal and developmental toxicity was 250 and 125 mg/kg/day, respectively

Section 12. Ecotoxicological Information

Toxic to aquatic life with long lasting effects (low levels of antibiotics in waterways may lead to increased microbial resistance & greater sensitisation of human populations using the water).
 Hazardous to terrestrial vertebrates

Product:	
Persistence and degradability	Does not persist in the environment owing to degradation & photolysis.
Bioaccumulation	No evidence of accumulation in aquatic organisms.
Mobility in Soil	No data available
Other adverse effects	No data available

The product must not be allowed to run into drains or waterways.

Section 13. Disposal Considerations

Disposal Method:

Ensure container is completely empty. If permitted under Local Authority Plans burn if circumstances, especially wind direction, permit otherwise crush & bury in an approved Local Authority facility. DO NOT use the container for any other purpose.

Precautions or methods to avoid: Avoid contamination of any water supply with chemical or empty container. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S
Marine Pollutant	Yes
Special Provisions	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 Code: **Veterinary Medicines (Limited Pack Size, Finished Dose) Group Standard 2020 - HSR100757**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	A006389

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	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 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
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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