



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: **Lepto 3-Way**  
Product Use: For the vaccination of cattle against Leptospirosis caused by *L. hardjo*, *L. copenhageni* (*icterohaemorrhagiae*), and *L. pomona*. To prevent the shedding of urine of leptospirae of these serovars, and thus reduce the risk of human Leptospirosis infection.

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: 27 September 2021

### Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

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

Ingredients	Wt%	CAS NUMBER.
<i>Leptospira hardjo</i>	$1 \times 10^9$	Not applicable
<i>Leptospira copenhageni</i> <i>icterohaemorrhagiae</i> )	$1 \times 10^8$	Not applicable
<i>Leptospira pomona</i>	$5 \times 10^8$	Not applicable
Non hazardous	To bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

If on Skin: Wash skin immediately with water. In case of irritation, seek medical advice.

If Swallowed: If product is swallowed or gets in mouth wash mouth with water. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

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: None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from products</b>	None known.
<b>Suitable Extinguishing media</b>	Carbon dioxide, extinguishing powder or water spray.
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained breathing apparatus (SCBA) and protective gloves.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures**

Wear sufficient respiratory protection where necessary and protective clothing to minimize skin exposure. Evacuate all non-essential personnel.

Prevent any material from entering drains or waterways.

If possible, contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material. Collect material and place into a suitable labeled container. Do not dilute material but contain.

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.
- Keep out of reach of children.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Store between 2°C and 8°C.
- Refrigerate. Do not freeze.
- Unused vaccine must be discarded within 10 hours of opening.
- Protect from light and away from foodstuffs.
- Keep containers adequately sealed during material transfer, transport or not in use.

**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>

No ingredients have exposure limits

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 12<sup>TH</sup> EDITION.

### Engineering Controls

Ensure adequate ventilation.

### Personal Protection Equipment

<b>Eyes</b>	Not required
<b>Skin</b>	Wear protective gloves when handling.
<b>Respiratory</b>	Not required.
<b>Hygiene</b>	Keep away from eyes. Avoid accidental self-injection.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Aqueous solution or suspension.
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Combustibility</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Water Solubility</b>	Soluble in water
<b>Partition Coefficient:</b>	Not available
<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>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to Avoid</b>	Avoid high temperatures.
<b>Incompatible Materials</b>	Avoid food products.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

## 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.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

## 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:** None known.

## Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

## Section 15 Regulatory Information

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

<b>HSW (HS) Regulations 2017 and EPA Notices</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration Conditions	A008314

## 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 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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

Issue Date: 27 September 2021                      Review Date: 27 September 2026