



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: **Triple A Plus**
Product Use: Triple combination oral drench with praziquantel for the treatment and control of tapeworm and internal parasites in sheep.
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: 5 April 2022

Section 2. Hazards Identification

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

**EPA Approval No: Veterinary Medicines (Non dispersive, Closed System Application)
Group Standard 2020 – HSR100758**

Pictograms



Signal Word: **Warning**

Hazard Code	Hazard Statement
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H361	Suspected of damaging fertility or the unborn child.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H400/H410	Very toxic to aquatic life with long lasting effects.
H423	Hazardous to soil organisms

Product Name: **Triple A Plus**
Date of SDS: 4 April 2022

H433	Harmful to terrestrial vertebrates.
H441	Very toxic to terrestrial invertebrates.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P261	Avoid breathing dust, fumes, gas, mist, vapours or spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P302	IF ON SKIN: P352 Wash with plenty of soap and water.
P308	If exposed or concerned: P313 Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific measures in section 4.
P322	Specific measures in section 4.
P333	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Code	Storage Statement
P405	Store locked up

Disposal Code	Disposal Statement
P501	Dispose of contents/ container at an approved waste disposal plant.

Section 3. Composition / Information on Hazardous Ingredients

Chemical name	CAS number	Concentration (% w/v)
Abamectin	71751-41-2	0.1
Levamisole HCL	16595-80-5	4.0
Oxfendazole	53716-50-0	2.27
Praziquantel	55268-74-1	1.88
Cobalt EDTA	15137-09-4	<10
Sodium selenate	13410-01-0	<1
Citric acid	77-92-9	<10

Section 4. First Aid Measures

General advice: In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention if symptoms occur.
In case of eye contact:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	Causes damage to organs through prolonged or repeated exposure.
Protection of first-aiders:	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician:	Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Hazard Type	Non-flammable
Hazards from products	Not available
Suitable Extinguishing media	Water spray Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Personnel involved in clean-up should wear appropriate personal protective equipment to minimize exposure as detailed in Section 8. Follow safe handling advice (see section 7). Non-essential personnel should be evacuated from the affected area.

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.

Product Name: **Triple A Plus**
Date of SDS: 4 April 2022

- Do not swallow.
- Avoid contact with eyes.
- Wash hands thoroughly after handling.
- Avoid prolonged or repeated contact with skin.
- Wash skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Take care to prevent spills, waste and minimize release to the environment.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- In case of inadequate ventilation wear respiratory protection.

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.

Section 8 Exposure Controls / Personal Protection

No workplace exposure standards is set for this substance at this time.

Engineering Controls

Use feasible engineering controls to minimize exposure to compound.

Personal Protection Equipment



Eyes	When handling in bulk wear suitable safety glasses.
Skin	When handling in bulk wear suitable protective gloves.
Respiratory	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Hygiene	Wash hands thoroughly with soap and water after handling.

Section 9 Physical and Chemical Properties

Appearance	Pale, purple aqueous suspension.
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable, but may burn
Combustibility	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.04 – 1.06
Water Solubility	Miscible in water
Partition Coefficient:	Not available
Auto-ignition	Not available

Product Name: **Triple A Plus**

Date of SDS: 4 April 2022

Temperature	
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 60°C or less than 2°C
Incompatible Materials	Solvents which may degrade the plastic container. Strong oxidising agents (e.g. peroxides, permanganates, nitric acid etc).
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. Abamectin: LD50 8.7 – 12.8 mg/kg Levamisole: LD50 200mg/kg/bw Sodium selenate: LD50 25mg/kg/bw Citric acid: LD50 5000mg/kg/bw
Inhalation	Cobalt EDTA: Respiratory effects seen at 2.4mg/m ³ in female Guinea-pigs.
Eye	Causes serious eye irritation.
Skin	May cause an allergic skin reaction. Citric acid – irritant

Abamectin: LD50 8.7 – 12.8 mg/kg
Levamisole: LD50 200mg/kg/bw
Praziquantel: LD50 1050mg/kg/bw
Sodium selenate: LD50 25mg/kg/bw
Citric acid: LD50 5000mg/kg/bw

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Oxfendazole: NOAEL 20mg/kg/bw/day for reproductive effects.
Germ Cell Mutagenicity	Levamisole: Mutagenic effects.
Aspiration	Cobalt: Causes respiratory tract irritation, may cause asthma and shortness of breath.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Oxfendazole: NOAEL 20mg/kg/bw/day for reproductive effects
Cobalt: Causes respiratory tract irritation, may cause asthma and shortness of breath.
Sodium selenate: NOAEL 0.37mg/kg/bw/day for Hepatotoxicity/Alimentary system effects.

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.
Hazardous to soil organisms

Product Name: **Triple A Plus**
Date of SDS: 4 April 2022

Harmful to terrestrial vertebrates.
 Very toxic to terrestrial invertebrates.
 Do not allow to enter waterways.

Aquatic:

Abamectin: 96hr LC50 3.6ppb (Rainbow trout)
 Oxfendazole: 48hr LC50 0.52mg/L (Daphnia magna)
 Sodium selenate: 96hr LC50 0.69mg/L (Fathead minnow)

Soil:

Abamectin: DT50>30days

Terrestrial vertebrates:

Abamectin: 8.7–12.8mg/kg
 Levamisole: LD50 200mg/kg/bw

Terrestrial invertebrates:

Abamectin: LD50 0.0094ug/bee

Section 13. Disposal Considerations

Disposal Method:

Dispose of by use.

Triple or pressure rinse container including exterior and cap. Dispose of rinsate and any undiluted chemical according to local Government requirements.

Dispose of empty container by wrapping with paper and placing in the garbage, in accordance with the Territorial Local Authority.

Precautions or methods to avoid: Avoid contamination of any water supply with chemical or empty container.

Section 14 Transport Information

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 SUBSTANCE, LIQUID N.O.S (Abamectin)
Marine Pollutant	Yes
Special Provisions	Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information. 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

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	100L
Emergency Response Plan	100L
Secondary Containment	100L
Restriction of Use	Not required
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	A11381

Section 16	Other Information
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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

This document has been prepared by Virbac NZ Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Virbac NZ 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. Please contact the New Zealand distributor, if further information is required.