

SECTION 1 : IDENTIFICATION AND CONTACTS	
Product Name	NEOVEMOX PLUS TAPE LONG ACTING HORSE WORMER & BOTICIDE GEL
Company Name	Neove Pharma Australia Pty Ltd (ACN 140 367 442)
Address	Level 3, 276 Pitt Street, Sydney NSW 2000
Email	info@neovepharma.com.au
Customer Line	For Non-emergency Calls: 1300 052 066
Emergency Telephone	Poisons Information Centre : 13 11 26 anywhere in Australia
Product Use	For the treatment and control of tapeworm (<i>Anoplocephala perfoliata</i>), susceptible strains of roundworms (including arterial larval stages of <i>Strongylus vulgaris</i>), adult and encysted stages (DL, LL3, EL4) of small strongyles, bots and <i>Habronema</i> spp. Aids in control of the early encysted stage (EL3) of small strongyles, including inhibited larvae. Protects for 14 - 16 weeks.
Creation Date	September, 2023

SECTION 2 : HAZARDS IDENTIFICATION	
Classification of The Hazardous Chemical	<u>Physical hazards:</u> Not classified
GHS Signal Word	Warning
Hazard Pictograms	
ADG Classification	Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code criteria when transported by road or rail.
GHS Classification	Acute toxicity, oral- Category 4 Serious eye damage/eye irritation - Category 2A Hazardous to the aquatic environment, acute hazard- Category 1 Hazardous to the aquatic environment, long-term hazard- Category 1
Hazard Statements	Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.
Precautionary Statements-Prevention	Wash thoroughly after handling. Wear protective gloves/protective clothing. Wear eye protection/ face protection.
Precautionary Statements - Response	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 : HAZARDS IDENTIFICATION	
	If EYE IRRITATION PERSISTS: Get medical advice/attention. Collect spillage.
Precautionary Statements - Storage	Store away from incompatible materials. Store below 30°C (Room temperature).
Precautionary Statements - Disposal	P501: Dispose of contents/container in accordance with local/ regional/ national/international regulations.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS		
Constituent Name	CAS No.	Proportion(%)
Praziquantel	55268-74-1	12-13
MTM	113507-06-5	2
Benzyl Alcohol	100-51-6	3-8*
Composition Comments: *Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.		

SECTION 4 : FIRST AID MEASURES	
Advice	For advice, contact a Poisons Information Centre 131126 anywhere in Australia, or call a doctor at once.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.
Skin Contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present and easy to do.
Ingestion	Call a physician or poison control centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth.
Personal Protection for First-aid Responders	IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Symptoms Caused by Exposure	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. May cause central nervous system effects. Provide general supportive

SECTION 4 : FIRST AID MEASURES	
Medical Attention and Special Treatment	measures and treat symptomatically. Symptoms may be delayed.

SECTION 5 : FIRE FIGHTING MEASURES	
Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Fire and Explosion Hazards	During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions for Fire Fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire Fighting Equipment/Instructions	Move containers from fire area if you can do so without risk.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6 : ACCIDENTAL RELEASE MEASURES	
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
Personal Precautions, Protective Equipment and Emergency Procedures	For non-emergency personnel: Keep unnecessary personnel away. For emergency responders: Ensure adequate ventilation. Ventilate the contaminated area. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protection recommended in Section 8 of the SDS.
Methods and Materials for Containment and Cleaning Up	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation. Avoid release to the environment. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean surface thoroughly to remove residual contamination. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 6 : ACCIDENTAL RELEASE MEASURES	
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

SECTION 7 : HANDLING AND STORAGE	
Precautions for Safe Handling	Use this product with adequate ventilation. Wear appropriate personal protective equipment. Do not breathe mist or vapour. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment.
Conditions for Safe Storage, Including Any Incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Keep container tightly closed. Store in a well-ventilated place. @ 15-30°C (59-86°F). Do not allow material to freeze. Keep out of the reach of children.

SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Exposure Controls	Occupational exposure limits: MTM (CAS 113507-06-5) - TWA 70 µg/m ³ . The ADI for MTM is set at 0.01 mg/kg/day. The corresponding NOEL is set at 1mg/kg/b.w. The ADI for Praziquantel is set at 0.02 mg/kg/day. The corresponding NOEL is set at 20mg/kg/b.w. ADI means Acceptable Daily Intake; NOEL means No-observable-effect-level. Data from Australian ADI List, December 2020.
Appropriate Engineering Controls	Ensure adequate ventilation, especially in confined areas. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or aerosols. Provide eyewash station.
Personal Protective Equipment	Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210. Wear safety glasses or goggles if eye contact is possible.
Eye/Face Protection	
Skin Protection	<u>Hand protection</u> : Wear appropriate chemical resistant gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION	
	<u>Other</u> : Wear suitable protective clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
Respiratory Protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range. Chemical respirator with organic vapour cartridge, full facepiece, dust and mist filter.
Thermal Protection	Not applicable.
Hygiene Measures	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES	
Appearance	Gel.
Physical State	Solid.
Colour	Pale yellow- Orange Pink.
Odour	Not Available
Melting/ Freezing Point	Not Available
Flash Point	96.0 °C (204.8 °F)
Initial Boiling Point and Boiling Range	Not Available
Relative Density	Not Available
Vapour Pressure	0.17 hPa estimated
Vapour density	Not Available
Viscosity	Not Available
Solubility	Slightly soluble in water
pH	Not Available
Solubility (water)	Not available.
Explosive Properties	Not explosive.
Oxidising Properties	Not oxidising.

SECTION 10 : STABILITY & REACTIVITY	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Conditions to Avoid	Contact with incompatible materials. Keep away from heat, spark, open flames and other sources of ignition. Avoid release to the environment.
Incompatible Materials	Avoid contact with oxidisers or reducing agents. Fluorine. Chlorine.
Hazardous Decomposition Products	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon dioxide, carbon monoxide, and oxides of nitrogen.
Dangerous Reactions	No dangerous reaction known under conditions of normal use.

SECTION 11 : TOXICOLOGICAL INFORMATION	
Possible Routes of Exposure	<p>Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Prolonged inhalation may be harmful.</p> <p>Skin contact: May be harmful in contact with skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.</p> <p>Eye contact: Causes serious eye irritation.</p> <p>Ingestion: May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.</p>
Symptoms Related to Exposure	<p>Severe eye irritation.</p> <p>Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.</p>
Acute Toxicity	<p>May be harmful if swallowed.</p> <p>Dermal-ATE: > 10000 mg/kg – Product</p> <p>Oral- ATE: 3225 mg/kg – Product</p> <p><u>Benzyl alcohol - Acute:</u></p> <p>Dermal-LD₅₀ (rabbit): 2000 mg/kg;</p> <p>Oral- LD₅₀ (mouse): 1580 mg/kg; Oral- LD₅₀ (rat): 1230 mg/kg</p> <p>Inhalation - LC₅₀ (rat) : > 4.178 mg/l, 1000 mg/l, 8 hours</p> <p><u>MTM - Acute:</u></p> <p>Dermal-LD₅₀ (rat): >2000 mg/kg</p> <p>Oral- LD₅₀ (rat): 106 mg/kg</p> <p><u>MTM - Chronic:</u></p> <p>Oral- NOEL(mouse): 30 mg/kg/day, 2 years (Not carcinogenic)</p>

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Serious Eye Damage/ Irritation	<p>Oral- NOEL (rat): 100 mg/kg/day, 2 years (Not carcinogenic)</p> <p><u>MTM - Subacute:</u></p> <p>Oral- LOEL(rat): 100 mg/kg/day, 28 days (Central Nervous System)</p> <p>Oral- NOEL(mouse): 75 mg/kg/day, 28 days (Central nervous system)</p> <p><u>MTM - Subchronic:</u></p> <p>Oral- NOEL(dog): 10 mg/kg/day, 90 days (Central Nervous System)</p> <p>Oral- NOEL(rat): 50 mg/kg/day, 13 weeks (Central Nervous System)</p> <p><u>Praziquantel- Acute:</u></p> <p>Oral- NOEL(rat): 2840 mg/kg</p> <p><u>Praziquantel- Chronic:</u></p> <p>Dermal-LD₅₀ (rat): 2 years (Not carcinogenic)</p> <p>Oral- LD₅₀ (hamste): 2 years (Not carcinogenic)</p> <p>Causes serious eye irritation.</p>
Skin Corrosion/Irritation	<p>Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.</p> <p>Corrosivity of MTM - Species:rabbit- Severity: Mild</p>
Respiratory or Skin Sensitisation	<p>Respiratory sensitisation: Not a respiratory sensitizer.</p> <p>Skin sensitisation: This product is not expected to cause skin sensitisation.</p> <p>Skin Sensitisation: MTM- Species: Guinea Pig- Severity: Negative</p>
Germ Cell Mutagenicity	<p>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</p>
Carcinogenicity	<p>Due to partial or complete lack of data the classification is not possible.</p>
Reproductive Toxicity	<p>This product is not expected to cause reproductive or developmental effects.</p>
Chronic Effects	<p>Prolonged inhalation may be harmful.</p>
Specific Target Organ Toxicity- Single Exposure	<p>Not classified</p>
Specific Target Organ Toxicity - Repeated Exposure	<p>Not classified</p>

SECTION 12: ECOLOGICAL INFORMATION	
Ecotoxicity	<p>Very toxic to aquatic life with long lasting effects. Avoid release to the environment.</p> <p><u>Benzyl alcohol:</u></p>

SECTION 12: ECOLOGICAL INFORMATION	
	<p>Aquatic</p> <p>Algae: EC50- Pseudokirchneriella subcapitata (Green Alga) 500 mg/L (72hours)</p> <p>Crustacea: EC50- Daphnia magna (Water Flea)- 230mg/L,48 hours; 66mg/L,21days Toxicity for reproduction.</p> <p>Fish: LC50- Pimephales promelas (Fathead Minnow)- 460mg/L,96hours</p> <p>Acute Fish: LC50- Bluegill (Lepomis macrochirus)- 10mg/L, 96 hours</p> <p>MTM:</p>
Persistence and Degradability	<p>Aquatic</p> <p>Algae: ErC50- Green algae (Selenastrum capricornutum) - > 87 ppb, 72hours</p> <p>Crustacea: EC50- Daphnia magna (Water Flea)- 30 ppt, 48 hours</p> <p>Fish: LC50- Lepomis macrochirus (Bluegill Sunfish)-0.62 ppb, 96 hours</p> <p>Fish: LC50- Oncorhynchus mykiss (rainbow trout) -0.16 ppb, 96 hours</p> <p>No data is available on the degradability of this product. The active ingredient in this formulation is expected to bind to soil or sediment.</p> <p>Biodegradability:</p> <p>Percent Degradation (Aerobic Biodegradation)</p> <p>Benzyl alcohol 92 - 96 % (Test Duration: 28 days)</p>
Bioaccumulative Potential	<p>Partition coefficient n-octanol / water (log Kow)</p> <p>Benzyl alcohol 1.1</p> <p>MTM 4.77</p>
Mobility in Soil	<p>The active ingredient in this formulation is expected to bind to soil or sediment.</p> <p>Adsorption:</p> <p>Soil/Sediment Sorption - Log Koc</p> <p>MTM 4.3 - 4.6</p>
Other Adverse Effects	<p>No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.</p>

SECTION 13 : DISPOSAL CONSIDERATIONS	
Disposal Methods	<p>Avoid release to the environment. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.</p>

SECTION 13 : DISPOSAL CONSIDERATIONS	
Residual Waste	Dispose of contents/container in accordance with local/ regional/ national/ international regulations. Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated Packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 : TRANSPORT INFORMATION	
ADG/RID/IATA/IMDG	Not regulated as dangerous goods.

SECTION 15 : REGULATORY INFORMATION	
Poison Schedule	Schedule 5
APVMA Registration	The products are registered by the APVMA
Registration Number	87981/136302
Approved Pack Size	1 x 11.8 g syringe per pack and 50 x 11.8 g syringes per pack

SECTION 16 : OTHER INFORMATION	
<ul style="list-style-type: none"> • APVMA • ADG Code • IMDG Code • CAS No. • UN No. • ICAO • IATA • NOHSC • HAZCHEM • SWA • AICS • SUSMP • NTP 	<p>Australian Pesticides and Veterinary Medicines Authority</p> <p>Australian Dangerous Goods Code</p> <p>International Maritime Dangerous Goods Code</p> <p>Chemical Abstracts Service Registry Number</p> <p>United Nations identifying Number</p> <p>International Civil Aviation Organization</p> <p>International Air Transport Association</p> <p>National Occupational Health & Safety Commission</p> <p>Code for information for emergency services</p> <p>Safe Work Australia, formerly ASCC and NOHSC</p> <p>Australian Inventory of Chemical Substances</p> <p>Standard for the Uniform Scheduling of Medicines & Poisons</p> <p>National Toxicology Programme (USA)</p>

END OF SDS