

NEOVENDOR POUR-ON ENDECTOCIDE

SECTION 1 : IDENTIFICATION AND CONTACTS	
Product Name	Neovendor Pour-On Endectocide
Product Use	Animal insecticide for use as described on the product label.
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
Creation Date	September, 2018 (Version 1.1)

SECTION 2 : HAZARDS IDENTIFICATION	
Hazard Classification	Hazardous Substances This product is classified as: Xn, Harmful. Xi, Irritating. Dangerous according to ADG Code (Class 3 PG II - flammable liquid)
Risk Phrases	R11. R36, R67. Highly flammable. Irritating to eyes. Vapour may cause drowsiness and dizziness.
Safety Phrases	S25, S29, S33. Avoid contact with eyes. Do not empty into drains. Take precautionary measures against static discharges.
SUSMP Classification	S6
UN No.	1219. Isopropanol (Isopropyl alcohol)

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS			
Constituent name	CAS No.	Proportion	TWA/ STEL
Doramectin	117704-25-3	0.5%	-
Isopropanol	67-63-0	> 60%	983 / 1230
Other non-hazardous ingredients	-	to 100%	-

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak " is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 : FIRST AID MEASURES	
General	You should call The Poisons Information Centre if you feel that you may

Inhalation	<p>have been poisoned, burned or irritated by this product. The number is 131126 from anywhere in Australia and is available at all times. Have this SDS with you when you call.</p> <p>No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.</p>
Skin Contact	Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
Eye Contact	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.
Ingestion	<p>First aid is not generally required.</p> <p>If in doubt, contact a Poisons Information Centre or a doctor.</p>

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media	Try to contain spills, minimize spillage entering drains or water courses.
Fire & Explosion Hazards	This product is classified as a C1 combustible product. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Fire Fighting	If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.
Flash Point	7°C
Flammability Limits	2% - 12% (IPA)
Flammability Class	C1

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Accidental Release	<p>In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Avoid using sawdust or other combustible material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.</p>
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SECTION 7 : HANDLING AND STORAGE

Handling	<p>Keep exposure to this product to a minimum, and minimize the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.</p> <p>The measures detailed below under "Storage" should be followed during handling in order to minimize risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.</p>
Storage	<p>This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this class of poison. Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers periodically for leaks. Containers should be kept closed in order to minimize contamination and possible evaporation. Make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10. If you keep more than 100L of flammable liquids of Packaging Groups I and or II, you probably require a license to do so. If you have any doubts, we suggest you contact your licensing authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.</p>

SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye
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	<p>Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210.</p> <p>SWA Exposure Limits - Isopropanol: NOHSC TWA = 983 mg/m³ NOHSC STEL = 1230 mg/m³</p> <p>The ADI for Doramectin is set at 0.001mg/kg/day. The corresponding NOEL is set at 0.1mg/kg/day. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level.</p>
Eye Protection	Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.
Skin Protection	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when handling this product.
Ventilation	No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimized.
Respirator	Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary. Eyebaths or eyewash stations should be provided near to where this product is being handled commercially.
Protective Material Type	There is no specific recommendation for any particular protective material type.

SECTION 9 : PHYSICAL & CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Not Available
Odour	Not Available
Melting/Boiling Point	Not Available
Relative Density	Not Available
Vapour Pressure	Not Available
Viscosity	Not Available
Solubility	Completely soluble in water
pH	Not Available
Flash Point	7°C

Ignition Temperature	Not Available
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SECTION 10 : STABILITY & REACTIVITY

Polymerization	This product is unlikely to undergo polymerization processes.
Conditions to Avoid	This product should be kept in a cool place, preferably below 30°C. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed.
Incompatible Materials	Strong acids, strong bases, oxidizing agents.
Fire Decomposition	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

SECTION 11 : TOXICOLOGICAL INFORMATION

Hazardous Ingredients	Isopropanol
Target Organs	There is no data to hand indicating any particular target organs.
Risk Phrases	Conc >=20%: Xi; R36
Acute Toxicity	Studies were carried out in rodents. When Doramectin was administered orally in an aqueous vehicle, the LD50 values were in the range 500-2000 mg/kg bw in rats and greater than 2000 mg/kg bw in mice. When the drug was given in a sesame oil vehicle, the oral LD50s were 50-200 mg/kg bw in rats and 75-500 mg/kg bw in mice. These marked differences in acute toxicity reflect the enhanced absorption of Doramectin when administered as an oil preparation. A further investigation in mice showed that the acute toxicities of orally administered Doramectin and Ivermectin were similar and that both compounds were less acutely toxic than abamectin or moxidectin. Toxic signs were indicative of effects on the CNS, since Doramectin, like abamectin and other drugs in this class, affects gamma-aminobutyric acid (GABA)-sensitive neurons, which can lead to neurotoxicity, as shown by tremors, ataxia and gait abnormalities.
Reproductive Toxicity	Studies in rats revealed treatment-related deaths among pups during the early postnatal period and a reduction in body-weight gain of pups throughout the lactation period. These effects were observed at doses as low as 3 and 1 mg/kg bw/day, respectively. Doramectin was shown to be readily excreted in the milk of lactating rats following administration by gavage and, as compared with adult animals, higher drug levels were attained in the brain of neonates, suggesting greater penetration through

	the incompletely formed blood-brain barrier in newborn rats. The NOEL was 0.3 mg/kg bw/day, based on toxicity in neonatal animals.
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SECTION 12: ECOLOGICAL INFORMATION

Biodegradability	This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.
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SECTION 13 : DISPOSAL INFORMATION

After Intended Use	Triple or (preferably) pressure rinse the container. Dispose in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Do not dispose of undiluted chemicals on-site. Break, crush, or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.
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SECTION 14 : TRANSPORT INFORMATION

ADG Code	1219, Isopropanol (Isopropyl alcohol)
Class & Subsidiary risk	3 (No sub-risk)
Packing group	II
Packing Method	P001, IBC02
Hazchem Code	2YE
Special Provisions	None allocated
Limited Quantities	ADG 7 specifies a Limited Quantity value of 1 L for this class of product. Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidizing Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

SECTION 15 : REGULATORY INFORMATION	
APVMA Registration	The products are registered by the APVMA
Registration Numbers	83969
Labelling	All necessary directions, precautions and warnings for normal use of the product are included on the product label.
AICS	All of the significant ingredients in this product are compliant with NICNAS regulations.

SECTION 16 : OTHER INFORMATION	
Acronyms Used in SDS <ul style="list-style-type: none"> • APVMA • ADG Code • CAS No. • UN No. • NOHSC • HAZCHEM • SWA • AICS • SUSMP 	Australian Pesticides and Veterinary Medicines Authority Australian Dangerous Goods Code Chemical Abstracts Service Registry Number United Nations identifying number National Occupational Health & Safety Commission Code for information for emergency services Safe Work Australia, formerly ASCC and NOHSC Australian Inventory of Chemical Substances Standard for the Uniform Scheduling of Medicines & Poisons
Disclaimer	<p>The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations.</p> <p>This Safety Data Sheet is prepared in accord with the ASCC document “National Code of Practice for the Preparation of Material Safety Data Sheets” 2nd Edition [NOHSC:2011(2003)]. The information in this Safety Data Sheet is based on our best knowledge at the time of preparation and relates to the product in the state in which it is supplied as well as the available literature references of the product. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements and should be reviewed by each user in the context of how the product will be handled and used in the workplace.</p> <p>The information describes the product from the safety point of view and is not intended to guarantee any particular properties and shall not establish a legally valid contractual relationship.</p>

END OF SDS