



SAFETY DATA SHEET

Vetmed Corporation Limited
PO Box 217234
Botany Junction
Auckland
Phone: +64 9 274 8848
Fax: +64 9 274 8842
This SDS consists of 16 sections.

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Effective Date: 12/06/19

Vetmed Levamisole Pour-On

Section 1: Identification of the Substance

Product Name	Vetmed Levamisole Pour-On
Use	For control of gastrointestinal roundworms and lungworms in cattle.
Company Details	Vetmed Corporation Limited PO Box 217234 Botany Junction Auckland Phone: +64 9 274 8848 Fax: +64 9 274 8842
Emergency Phone Number	National Poisons Centre: 0800 764 766 (0800 POISON)

Section 2: Hazardous Identification

Hazard classifications	3.1D Combustible liquid 6.1D Acute toxin 6.3B Skin irritant 6.4A Eye irritant 6.5B Potential sensitiser 6.6B Mutagen 6.9A Target organ toxin 9.3C Vertebrate toxin
Priority identifiers	WARNING KEEP OUT OF REACH OF CHILDREN WARNING Combustible Liquid
Secondary identifiers	3.1D Combustible liquid. Do not store near heat or open flame. 6.1D May be harmful if swallowed. Wash hands and exposed skin before meals and after use. 6.3B May cause mild skin irritation. Avoid skin contact. 6.4A May cause eye irritation. Avoid contact with eyes. 6.5B Repeated exposure may cause skin allergy. Avoid skin contact. 6.6B Levamisole possibly may cause damage to genetic material. Handle with care. 6.9A Levamisole may affect blood and the haematopoietic system. Handle with care. 9.3C Harmful to terrestrial vertebrates. Avoid release to the environment.

Section 3: Composition

<u>Ingredient</u>	<u>CAS Number</u>	<u>Content g/L</u>
Levamisole Base	14769-73-4	200
Other		Up to 1L



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Section 4: First Aid

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately.

INGESTION

If swallowed do NOT induce vomiting. Seek medical attention.

EYES

If splashed in eyes wash out immediately with water.

SKIN

If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water.

INHALATION

Remove to fresh air. If persists, seek medical advice.

Workplace facilities

No special facilities required.

Hygiene practices

Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Wash contaminated clothing and other protective equipment before storing or reusing.

Notes for medical personnel

No specific antidote. If poisoning is suspected apply symptomatic therapy.

Section 5: Fire Fighting

Type of hazard

Combustible liquid

Fire hazard properties

Levamisole Pour-On contains a flammable solvent, Flash Point of 78°C. As the product contains combustible organic components, fire will produce black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Vapours of 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.

Regulatory requirements

2 fire extinguishers per 500L. See Hazardous Substances (Emergency management) regulations.

Extinguishing media and methods

Extinguish using carbon dioxide, water fog, dry chemical, foam.

Hazchem code

2X

Recommended protective clothing

When fighting a major fire wear full protective clothing. Wear breathing apparatus.



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Section 6: Accidental Release

Emergency procedures	<p>In case of spillage it is important to take all steps necessary to:</p> <ul style="list-style-type: none">• Avoid eye and skin contact.• Avoid contamination of waterways <p>Procedure for spill:</p> <ol style="list-style-type: none">(1) Keep all bystanders away.(2) Wear full length clothing and PVC gloves.(3) Reposition any leaking containers so as to minimise further leakage.(4) Dam and absorb spill with an absorbent material (e.g. sand or soil).(5) Shovel the absorbed spill into drums.(6) Material may be suitable for disposal in an approved landfill.(7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.
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Section 7: Handling and Storage

Precautions for safe handling	Apply with well-maintained and calibrated equipment. Handle with care.
Approved handlers	Not required
Conditions for safe storage. Packaging	Store in original container, tightly closed, in cool, dry conditions. Store away from foodstuffs. Keep out of reach of children.
Store site requirements	<p>Packaging Schedule 3 (UN Packing group III) for quantities >1L. (Hazardous Substances Packaging Regulations 2001).</p> <p>This substance is subject to a requirement for an emergency management plan (quantities >1000L), secondary containment (quantities >1000L) and signage (quantities >10000L). See Hazardous Substances (Emergency management) regulations 25 to 42.</p>

Section 8: Exposure / Personal Protective Equipment

Workplace exposure standards. Application in the workplace	None set
Exposure standards outside the workplace	None set
Engineering controls	No special requirements
Personal protection	When opening the container and using the product wear protective clothing including impermeable gloves and eye protection, to avoid skin and eye contact.

Section 9: Physical and Chemical Properties



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Formulation type	Oily solution
Appearance	Clear liquid
Viscosity	No data
Specific gravity	1.03 @ 20°C
Behaviour in water	Slightly soluble

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions of use and storage.
Conditions to avoid	Heat, flame, ignitions sources.
Material to avoid	Incompatibilities for 3.1 substances: All class 1 substances (explosives) All class 2 substances (flammable gases) Class 3.2 substances (other combustible liquids) All class 4 substances (flammable solids) All class 5 substances (oxidising agents)
Hazardous decomposition products	Not applicable. This product is unlikely to spontaneously decompose.
Hazardous polymerisation	Not applicable. This product is unlikely to spontaneously polymerise.

Section 11: Toxicological Information

Levamisole Pour-On	May be harmful if swallowed. May cause mild skin irritation. May cause eye irritation. Repeated exposure may cause skin allergy. Danger of serious damage to health by prolonged exposure if swallowed. Levamisole possibly may cause damage to genetic material. Levamisole may affect blood and the haematopoietic system.
Ingredients	Levamisole has moderate oral toxicity [LD50 (rats and mice) ~ 200-500 mg/kg]. Levamisole has been associated with an immunologically based haematological toxicity in dogs and humans (agranulocytosis at relatively low oral doses, LOAEL 1.25mg/kg/d). Levamisole has genotoxic potential. Induced chromosomal gaps and breaks in human lymphocytes in vitro and in vivo. Induced increases in mitotic index numerical chromosomal changes (aneuploidy, polyploidy) and structural chromosomal changes.



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Section 12: Environmental Information

Levamisole Pour-On	Harmful to terrestrial vertebrates.
Ingredients	Levamisole is potentially hazardous to terrestrial vertebrates based on the acute oral toxicity data from laboratory animals [LD50 (rats and mice) ~ 200-500 mg/kg].

Section 13: Disposal

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Crush and bury in a suitable landfill. Do not burn. Do NOT use container for any other purpose.

Section 14: Transport

Not classified as dangerous for rail, road, air or sea transport.

The maximum quantity per package of this substance allowed for carriage on public transport is 1L.

Dangerous goods class	None allocated
UN Number	None allocated

Section 15: Regulatory

Registered pursuant to the ACVM Act 1997, No. A010760
See www.nzfsa.govt.nz/acvm for registration conditions

ERMA Approval Code: HSR001821

Section 16: Other Information

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.