

SAFETY DATA SHEET – Vetmed Levamisole Pour On

Levamisole Solvent Based Formulation



Version
2.0

Revision Date
18-04-2023

Date of First Issue
04-07-2012

Date of Last Issue
18-04-2023

Section 1: Identification

Product name: Vetmed Levamisole Pour On

Manufacturer Details

Company: Vetmed Corporation Limited

Address: 16A Ormiston Road, East Tamaki, Auckland, New Zealand.

Telephone: 09 274 8848

Emergency telephone number: 0800 764 766 (0800 POISON)

Recommended use of the Product

Recommended use: Veterinary Medicine

Section 2: Hazard Identification

GHS Classification

Flammable liquids: Category 4

Acute toxicity, oral: Category 4

Eye irritation: Category 2

Skin sensitisation: Category 1

Germ cell mutagenicity: Category 2

Specific target organ toxicity repeated exposure: Category 1

Hazardous to terrestrial vertebrates

GHS label elements

Hazard pictograms:



Signal Word: Warning

Hazard statements:

H227 Combustible liquid

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction

H341 Suspected of causing genetic defects

H372 Causes damage to organs through prolonged or repeated exposure

H433 Harmful to terrestrial vertebrates.

Precautionary statements:

Prevention:

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.

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

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.

P281 Use personal protective equipment as required.

Response:

P101 If medical advice is needed, have product container or label at hand.

P301 F SWALLOWED: P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P305 IF IN EYES: P351 Rinse cautiously with water for several minutes.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P308 IF exposed or concerned: P313 Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

P337 If eye irritation persists: P313 Get medical advice/attention.

P370 In case of fire: P378 Use water for extinction

P391 Collect spillage.

Storage:

P403 Store in a well-ventilated place. P435 Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

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Section 3: Composition/information on ingredients

Substance / Mixture: Mixture

Components

Chemical name	CAS number	Concentration (% w/v)
Levamisole	14769-73-4	20

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

Suitable extinguishing media: Water spray
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media: None known.

Specific hazards during firefighting: Exposure to combustion products may be a hazard to health.

Hazardous combustion products: Nitrogen oxides (NO_x)
Carbon oxides

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

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Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Environmental precautions:

Methods and materials for containment and cleaning up:

Use personal protective equipment.
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
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.
Soak up with inert absorbent material.
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

Technical measures:

Local/Total ventilation:

Advice on safe handling:

Hygiene measures:

Conditions for safe storage:

Materials to avoid:

See Engineering measures under section 8.
Use only with adequate ventilation.
Do not breathe dust, fume, gas, mist, vapours or spray.
Do not swallow.
Avoid contact with eyes.
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Do not eat, drink or smoke when using this product.
Take care to prevent spills, waste and minimize release to the environment.
If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
When using do not eat, drink or smoke.
The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
Keep in properly labelled containers.
Store in accordance with the particular national regulations.
Do not store with the following product types:
Strong oxidizing agents

Section 8: Exposure controls/personal protection

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Components with workplace control parameters

No WES is set for this substance at this time.

Engineering measures:	Use feasible engineering controls to minimize exposure to compound. All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.
Respiratory protection:	Personal protective equipment If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type:	Organic vapour type
Hand protection Material:	Chemical-resistant gloves
Eye protection:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.
Skin and body protection:	Work uniform or laboratory coat.

Section 9: Physical and chemical properties

Appearance:	Liquid with mild odour
Colour:	Light yellow solution
Specific gravity:	0.95 – 1.05
Behaviour in water:	Miscible in water

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Section 10: Stability and reactivity

Reactivity: Not classified as a reactivity hazard.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Can react with strong oxidizing agents.
Conditions to avoid: None known.
Incompatible materials: Oxidizing agents
Hazardous decomposition products: No hazardous decomposition products are known.

Section 11: Toxicological information

Inhalation: Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.

Ingestion: Harmful if swallowed Levamisole: LD50 200 - 500 mg/kg

Skin: The liquid may be miscible with fats or oils and may degrease the skin, producing a skin reaction described as non-allergic contact dermatitis. May cause skin irritation on prolonged contact. Is a contact sensitiser.

Eye: May cause transient discomfort and redness following eye contact.

Chronic Effects

Levamisole: No evidence of mutagenic or carcinogenic effects.

There is limited evidence that skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities.

Section 12: Ecological information

Terrestrial Vertebrates: Levamisole: LD50 200 - 500 mg/kg

Section 13: Disposal considerations

Disposal methods

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

If not otherwise specified: Dispose of as unused product.

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Section 14: Transport information

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

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Approval Number

HSR001821

HSW Controls

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.

Section 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.