



SAFETY DATA SHEET

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Effective Date: 16/02/16

Triflumax Pour On for Sheep

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.

Section 1: Identification of the Substance

Product Name	Triflumax Pour On for Sheep
Use	Pour on lousicide for sheep
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, 6.3A, 6.4A, 6.8A, 6.9B, 9.1B, 9.4B
Priority identifiers	WARNING KEEP OUT OF REACH OF CHILDREN
Secondary identifiers	WARNING Dangerous to the environment
Risk and safety phrases	Toxic to aquatic life with long lasting effects. Very toxic to terrestrial invertebrates. Combustible liquid. May cause eye and skin irritation. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.



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Section 3: Composition

<u>Ingredient</u>	<u>CAS Number</u>	<u>Content (%)</u>
Triflumuron	64628-44-0	2.5
N-methyl-2-pyrrolidone	872-50-4	10 - <30%
Dipropylene glycol methyl ether	34590-94-80	>60%

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. Rinse mouth. Keep subject warm and at rest. Seek medical attention immediately.
EYES	If splashed in eyes, rinse cautiously with water for at least 15 minutes. Continue rinsing, & if eye irritation persists, seek medical attention.
SKIN	If skin or hair contact occurs remove contaminated clothing and wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, seek medical attention. Dispose of contaminated clothing promptly.
INHALATION	Remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult give oxygen. Seek medical assistance immediately.
Workplace facilities	
Hygiene practices	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face thoroughly before meals and after handling. Wash protective clothing daily after work. Contaminated clothing should not be allowed out of the workplace.
Notes for medical personnel	No specific antidote. If poisoning is suspected apply symptomatic therapy



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Section 5: Fire Fighting

Type of hazard	Not classified as flammable
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Hazchem code	2X
Recommended protective clothing	Wear full protective clothing and breathing apparatus.

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, PVC gloves and eyewear(3) Reposition any leaking containers so as to minimise further leakage.(4) Dam and absorb spill with an absorbent material (e.g. sand, soil or absorbent granules) and place in a sealable waste container.(5) Ventilate area and wash spill site after pick-up complete.(6) Dispose of waste safely in an approved landfill.
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Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes and inhalation of vapours. Avoid accidental injection. Use personal protective equipment as required.
Approved handlers	Not required
Conditions for safe storage	Store in original container below 30°C and under secure conditions. Keep out of reach of children.
Packaging	Packaging Schedule 3 (UN Packing Group III) for quantities >5L (Hazardous Substances Packaging Regulations 2001).
Store site requirements	This substance is subject to a requirement for an emergency management plan, secondary containment and signage, whenever it is held in quantities of 100L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.



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Section 8: Exposure / Personal Protective Equipment

Workplace exposure standards. Application in the workplace	Dipropylene glycol methyl ether TWA 606mg/m ³ (100ppm) (NOHSC) STEL 909 mg/m ³ (150ppm) (NOHSC) TWA 300 mg/m ³ (50 ppm) (MAK) N-methyl-2-pyrrolidine TWA 400 mg/m ³ (100ppm) (MAK)
Exposure standards outside the workplace	N/A.
Engineering controls	Handle in well ventilated area.
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

Formulation type	Oily solution
Appearance	A clear blue solution
Viscosity	N/A
Specific gravity	0.9 to 1.0
Behaviour in water	Miscible

Section 10: Stability and Reactivity

Stability of the substance	When stored appropriately this product should show no significant degradation for at least 24 months from the date of manufacture.
Conditions to avoid	No specific conditions to avoid.
Material to avoid	No specific materials to avoid.
Hazardous decomposition products	No hazardous products are expected, except when heated to decomposition.
Hazardous polymerisation	Not known to occur.



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Section 11: Toxicological Information

Acute toxicity: Skin irritation: Eye irritation: Health hazard information	LD50 oral, rat: >5000 mg/kg (of formulation) LD50 dermal, rat: > 5000 mg/kg (of formulation) Will irritate the skin Will irritate the eyes Triflumuron is a chitin synthetase inhibitor which in insects disrupts exoskeleton formation. Since this enzyme is not present in mammals triflumuron has no direct toxic effect in these species
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Section 12: Environmental Information

Octanol/Water Partition Co-efficient Fish toxicity (triflumuron) Daphnia toxicity (triflumuron) Algal toxicity (triflumuron) Bird toxicity (triflumuron)	Log Pow =4.91 at 20oC LC50 > 320 mg/L (96hr) Rainbow trout (<i>Salmo gairdneri</i>) LC50 >100 mg/L (96hr) Golden orfe (<i>Leuciscus idus</i>) LC50 0.225 mg/L (48h) Water flea (<i>Daphnia magna</i>) EC50 >25 mg/L (96h) Green algae (<i>Scenedesmus</i>) LD50 561 mg/kg Bobwhite quail Triflumuron is a toxic hazard to juvenile aquatic and terrestrial arthropods. Do not contaminate ponds, waterways or drains with product or used containers.
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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 an approved landfill if an approved recycling system is not available. Do not burn. Do NOT use container for any other purpose.

Section 14: Transport

Dangerous Goods for transport. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triflumuron) The maximum quantity per package of this substance allowed for carriage on public transport is 5L.	
Dangerous goods class	9
UN Number	3082



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Section 15: Regulatory

Registered pursuant to the ACVM Act 1997, No. A011233
See www.nzfsa.govt.nz/acvm for registration conditions

EPA Approval Code: HSR002233

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.