

Bayticol Pour-on Tickicide

Date of Issue: 6 January 2012

Date of previous issue: 23 June 2011

SDS NUMBER A18201/4/NZ

1. Identification of the Substance/Mixture and Supplier

Product name:	Bayticol Pour-on Tickicide
Other product names:	Flumethrin
Application:	Insecticidal pour-on for tick treatment of cattle and deer.
ERMA approval:	HSR001801
ERMA Name:	Liquid containing 1 – 1.3% flumethrin.
Company:	Bayer New Zealand Limited, 3 Argus Place, Hillcrest, Auckland 0627.
Telephone:	0800 652 488
Facsimile:	0800 229 838
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)

2. Hazards Identification

Hazard classification:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Classification and type:	Harmful to the aquatic life with long lasting effects. May also be harmful to terrestrial invertebrates. This product may be harmful to skin through prolonged or repeated ingestion.

3. Composition/Information on Ingredients

<u>Chemical Entity</u>	<u>CAS No</u>	<u>Proportion</u>
<u>Flumethrin</u>	69770-45-2	1%
Other ingredients (99%) determined to be non hazardous.		

4. First Aid Measures

General information:	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport patient in a stable lateral position. Read label before use.
Skin contact:	Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if skin irritation develops.
Eye contact:	May irritate the eyes. In case of eye contact rinse immediately with plenty of water for at least 15 minutes.
Ingestion:	Harmful if swallowed. If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention.
Inhalation:	Inhalation of this product is unlikely. Seek medical attention.
Further information:	No adverse effects are expected if this product is used in accordance with the label. Synthetic pyrethroids can cause irritation of skin and mucous membranes in sensitive individuals (parasthesia), If poisoning occurs, apply basic aid and decontamination procedures, Treat symptomatically. Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

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5. Fire Fighting Measures	
Extinguishing media and methods:	Sprayed water jet, foam, dry powder CO ₂ or sand
Recommended protective clothing:	Fire fighters should wear self contained breathing apparatus.
Further information:	Contain extinguishing waters.
6. Accidental Release Measures	
Spill and leak procedure: Methods for cleaning up:	Prevent spillage from spreading or entering soil, waterways or drains. In well ventilated areas wear a full face mask with a combination filter (offers no protection from carbon monoxide). In enclosed area wear respirator with independent air supply. Take up with absorbent material such as sawdust, peat or chemical binding agent. Fill material along with any contaminated soil into a sealable container. Clean affected area with aqueous detergent and a small quantity of water. Absorb detergent/water with hydrated lime and fill into same sealable container. Spread hydrated lime over the affected area. Avoid contact with skin. On completion of cleanup, wash all protective clothing and equipment with detergent and water. Do not eat, drink or smoke during cleanup operation.
Further information	
7. Handling and Storage	
Handling:	No specific handling recommendations. Suitable container materials include HDPE (high density polyethylene) and steel.
Storage:	Keep out of reach of children. Store away from food, drink and animal feeding stuffs. Store below 30°C. Avoid heat above 40°C. Keep away from heat and moisture.
8. Exposure Control/Personal Protection	
Engineering measures:	No specialised ventilation required under normal conditions of use.
Respiratory protection:	No respirator is required under normal conditions of use.
Hand protection:	Wash hands after use.
Eye protection:	No eye protection is required under normal conditions of use. Under other conditions wear safety goggles.
Hygiene measures:	Contaminated gloves should be disposed of. Store work clothes and street clothes separately. Wash hand before breaks and at the end of work. Decontaminate, destroy and dispose of contaminated protective clothing. Keep away from food stuffs, drinks and tobacco.
9. Physical and Chemical Properties	
Form:	Oily liquid
Colour:	Straw
Odour:	Weak odour
Density:	Approx. 0.860 kg/L at 20°C
Solubility in water:	Insoluble
Flash point:	>100°C
10. Stability and Reactivity	
Thermal decomposition products:	Thermal decomposition products include hydrogen chloride gas, hydrogen fluoride gas and nitrogen oxides.

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Hazardous reactions:	Product is stable. No hazardous reactions. Will not polymerise. Avoid strong oxidising agents and alkalis
11. Toxicological Information	
Acute oral toxicity:	LD ₅₀ oral, rat: >20 ml/kg (Bayer)
	LD ₅₀ dermal, rat: 5 ml/kg (Bayer)
Skin irritation:	Mild irritant
12. Ecological Information	
Bioaccumulation:	K – 1.56 not bioaccumulative
Acute daphnia toxicity:	EC ₅₀ (48hr) 0.0027 mg/L Water flea (Daphnia magna)
Acute fish toxicity:	LC ₅₀ (96hr) 0.17 mg/L Trout (Oncorhynchus mykiss)
	Concentrations down to 0.5mg/L are toxic to goldfish
Algal toxicity	IC ₅₀ (72 hr) 0.59 mg/L Green algae (Desmodesmus subspicatus)
13. Disposal Considerations.	
Disposal:	Triple rinse containers and dispose of rinsate in a disposal pit away from plants, their roots and any waterways. On site disposal of undiluted chemicals is unacceptable. Dispose of sealed containers at approved local waste disposal site,
Empty container precautions:	Destroy empty containers by breaking, crushing or puncturing them. Dispose of empty containers at an approved local waste disposal site. Do not burn empty containers or product.
14. Transportation Information.	
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid, NOS (contains Flumethrin)
UN Number:	3082
Hazard Class:	9
Hazchem Code:	3Z
Packing Group:	III
Flashpoint °C	>93 deg C
Marine Pollutant	Yes
15. Regulatory Information.	
ACVM Number: A5335 HSNO Approval Number: HSR001801	
HSNO Classification 6.9B – (Oral) Substances that are Harmful to Human Target Organs or Systems 9.1C – Substances that are Harmful in the Aquatic Environment 9.4C – Substances that are Harmful to Terrestrial Invertebrates	
Controls for hazardous substances:	
<ul style="list-style-type: none">• Level 2 Emergency Management Information required when >1L is present in a workplace.• Level 3 Emergency Management Plans required when >1000L is present in a workplace.• Where an excess of 1000L is stored, signage is required for ecotoxic substances.	

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Controls of hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will take into account aggregate quantities. Contact an ERMA Approved Test Certifier for further information and guidance.

16. Other Information.

OSH(2002) – Workplace exposure Standards, effective 2002.

DFG MAK – Federal Republic of Germany Maximum workplace Concentration Values in the Workplace

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.