



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	BANTIX Pour-On
ACVM approval code:	A11154
Recommended use:	Insecticidal pour-on for tick treatment of cattle and deer.
Company name:	Alleva Animal Health Limited
Address:	1/116a Harris Road, East Tamaki, Auckland, 2013, New Zealand
Telephone:	0064-9-4181405
Emergency telephone number:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of Preparation	4 March 2020 v2
Restrictions of Use	Refer to Section 15

SECTION 2: HAZARDS IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: - HSR001801

Pictograms



Irritant Chronic

Signal Word: WARNING

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
9.1C	H412	Harmful to aquatic life with long lasting effects.	Aquatic Chronic 3
9.4C	H443	Harmful to terrestrial invertebrates.	-



Prevention Code Prevention Statement

P103	Read label before use.
P260	Do not breathe fumes, mist, vapours or spray.
P273	Avoid release to the environment.
P280	Wear protective clothing.

Response Code Response Statement

P314	Get medical advice/attention if you feel unwell.
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Storage Code Storage Statement

None Allocated	
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Disposal Code Disposal Statement

P501	Dispose of according to Local Regulations or Authorities
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SECTION 3: COMPOSITION

Product Components:		
Name	CAS	Proportion
Flumethrin	69770-45-2	1% w/v
Other ingredients		to 100%

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	<p>General Information: Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Read label before use.</p> <p>Skin Contact: Remove contaminated clothing. Wash with water for several minutes. Get medical attention if needed.</p> <p>Eye Contact: Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice/attention.</p> <p>Ingestion: Harmful if swallowed. If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if needed.</p> <p>Inhalation: Inhalation of this product is unlikely. Seek medical assistance if needed.</p>
Most important	Symptoms:



symptoms and effects, both acute and delayed	Suspected of damaging fertility or the unborn child.
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SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Non-flammable.
Fire hazard properties:	Thermal decomposition products include hydrogen chloride gas, hydrogen fluoride gas and nitrogen oxides.
Extinguishing media and methods:	Sprayed water jet, foam, dry powder CO ₂ or sand.
Hazchem code:	None allocated.
Recommended protective clothing:	Fire fighters should wear self- contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing as detailed in Section 8. Restrict access to contaminated area.
Environmental Precautions:	Contain the spill and prevent further dispersion. Prevent contamination of water courses and sewers.
Procedure for Spills:	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.
Procedure for Disposal:	Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or



	empty container.
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SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	<ul style="list-style-type: none"> • Read label before use. • Do not breathe fumes, mist, vapours or spray. • Avoid release to the environment. • Wear protective clothing.
Conditions for safe storage:	<ul style="list-style-type: none"> • Keep out of reach of children. • Store away from incompatible materials listed in Section 10. • Store below 30°C. • Avoid heat above 40°C. • Keep away from heat and moisture. • Suitable container materials include HDPE (high density polyethylene) and steel.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
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No substance has exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 201911th EDITION.

Engineering controls:	No specialised ventilation required under normal conditions of use.
Personal protection:	<p>Respiratory protection: No respirator is required under normal conditions of use.</p> <p>Hand protection: Wash hands after use.</p> <p>Eye protection: No eye protection is required under normal conditions of use. Under other conditions wear safety goggles.</p>



	<p>Hygiene procedures: 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</p>
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Straw coloured oily liquid
Odour	Weak
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	>100°C
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Density	Approx. 0.860 kg/L at 20°C
Solubilities	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of storage and use.
Conditions to avoid:	None known.
Material to avoid:	Avoid strong oxidising agents and alkalis
Hazardous decomposition products:	Thermal decomposition products include hydrogen chloride gas, hydrogen fluoride gas and nitrogen oxides. Will



	not polymerise.
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SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects on Flumethrin:	Acute oral toxicity: LD50 (Rat): 175 mg/kg Test substance: in corn oil Acute inhalation toxicity: LC50 (Rat): 0,572 mg/l Exposure time: 4 h Test atmosphere: dust/mist/aerosol Method: OECD 403 Acute dermal toxicity: LD50 (Rat, female): 1.436 mg/kg
Swallowed Dermal Inhalation Eye Skin	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Chronic and long-term effects:	
Reproductive Systemic	Not applicable.
Carcinogenicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

SECTION 12: ENVIRONMENTAL INFORMATION

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.
 9.4C = Harmful to terrestrial invertebrates.

Persistence and degradability	No data available on product. Flumethrin: Biodegradability : Result: Not rapidly biodegradable Biodegradation: 0 % Exposure time: 28 d Method: OECD 301F
Bioaccumulation	No data available on product. Flumethrin: Partition coefficient: n-octanol/water:



	log Pow: 6,2
Mobility in Soil	Do not allow to enter surface waters or groundwater.
Other adverse effects	No data available on product. Flumethrin:
Ecotoxicity effects: Flumethrin:	<p>Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0,17 mg/l Exposure time: 96 h Test Type: Acute Fish toxicity Method: OECD 203</p> <p>Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,0027 mg/l Exposure time: 48 h Method: OECD 202</p> <p>Toxicity to algae: IC50 (Desmodesmus subspicatus (green algae)): 0,59 mg/l Exposure time: 72 h Method: OECD 201</p>

Do not allow to enter waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Product 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.
Container disposal:	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.

SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ: NZS 5433:2012



SECTION 15: REGULATORY INFORMATION

Regulatory status:	HSR001801
Please refer to the controls document on www.epa.govt.co.nz for full details.	
HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	1000kg (9.4C)
Emergency Response Plan (Schedule 5)	Not required
Secondary Containment (Schedule 5)	Not required
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Location Certificate	Not required
HSNO Additional Controls (Restrictions of use)	
	Use for intended use only
ACVM Act and Regulations	
ACVM Approval No See www.foodsafety.govt.nz for registration controls	A11154

SECTION 16: OTHER INFORMATION

Glossary

- EC50 Median effective concentration.
- EEL Environmental Exposure Limit.
- EPA Environmental Protection Authority
- HSNO Hazardous Substances and New Organisms.
- HSW Health and Safety at Work.
- LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
- LD50 Lethal dose to kill 50% of test animals/organisms.
- LEL Lower explosive level.
- OSHA American Occupational Safety and Health Administration.
- TEL Tolerable Exposure Limit.
- TLV Threshold Limit Value-an exposure limit set by responsible authority.
- UEL Upper Explosive Level
- WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).



4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

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. ALLEVA Animal Health Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.

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.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.

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