

SAFETY DATA SHEET



OUTLAW

Date of Issue: 23 March 2016

SDS NUMBER 112/4 NZ

1. Identification of the Substance/Mixture and Supplier.

Product Name:	OUTLAW
Application:	For the treatment and control of internal parasites including endectocide-resistant strains and lungworm and lice in all types of cattle
Company:	Bayer New Zealand Limited, 3 Argus Place, Hillcrest, Auckland, 0627 New Zealand.
Telephone:	0800 652 488
Facsimile:	0800 229 838
Emergency telephone:	0800 734 607 Ixom SH&E Shared services (24hr)
National Poisons Centre:	0800 POISON (0800 764766)

2. Hazards Identification.

Hazardous Status:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
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HSNO CLASSIFICATION	GHS HAZARD STATEMENTS
6.1D (oral)	H302 Harmful if swallowed.
6.5B	H317 May cause an allergic skin reaction.
6.6B	H341 Suspected of causing genetic defects.
6.8B	H361 Suspected of damaging fertility or the unborn child.
6.8C	H362 May cause harm to breast-fed children.
6.9A (repeated exposure)	H372 Causes damage to organs through prolonged or repeated exposure.
9.1A	H410 Very toxic to aquatic life with long lasting effects.
9.2C	H423 Harmful to the soil environment.
9.3B	H432 Toxic to terrestrial vertebrates.
9.4A	H441 Very toxic to terrestrial invertebrates.

Signal Word:	DANGER
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PREVENTION STATEMENTS

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.
P260	Do not breathe mist/vapours/spray.
P263	Avoid contact during pregnancy/while nursing.
P264	Wash 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.

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RESPONSE STATEMENTS		
P101	If medical advice is needed, have product container or label at hand.	
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.	
P330	Rinse mouth.	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
P363	Wash contaminated clothing before reuse.	
P308 + P313	If exposed or concerned: Get medical advice/attention.	
P314	Get medical advice/attention if you feel unwell.	
P391	Collect spillage.	
STORAGE STATEMENTS		
P405	Store locked up.	
DISPOSAL STATEMENTS		
P501	Do not let this product enter the environment. Do not dispose of in waterways or sewers. Dispose of this material and its container as hazardous waste, via a licensed facility. See local council for disposal/recycling information.	
GHS DIAMONDS		
3. Composition/Information on Ingredients.		
<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion</u>
Abamectin	71751-41-2	10mg/L
Levamisole base	14769-73-4	200mg/L
4. First Aid Measures.		
General Information:	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position.	
Skin Contact:	Immediately remove all contaminated clothing. Wash contact areas with soap and water for 15 minutes. Seek medical attention if irritation persists.	
Eye Contact:	Immediately hold eyelids apart and rinse for at least 15 minutes. Seek medical assistance.	
Ingestion:	Rinse mouth with water. DO NOT induce vomiting. Seek immediate medical assistance	
Inhalation:	Remove patient to fresh air, avoid breathing vapours yourself. Blow nose to ensure clear passage of breathing. If not breathing apply mouth-to-mouth resuscitation. Seek medical assistance.	
Advice to doctor:	Apply symptomatic therapy. (no specific antidote)	
Further Information:	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 chemical powder or carbon dioxide extinguisher or sand.
Recommended protective clothing:	Fire fighters should wear self contained breathing apparatus in enclosed areas. In well ventilated areas wear full face mask with a combination filter (Offers no protection from carbon monoxide). Fight fire in the early stages if it is safe to do so
Further Information:	Make provisions to contain fire fighting water.

6. Accidental Release Measures.

Spill and leak procedure:	Do not empty into drains or waters. Immediately absorb spill with sawdust, peat or chemical binder. Wash the area with water and absorb with further inert material. Place used cleaning materials into closable receptacles. Avoid breathing in vapours or contact with skin and eyes. Do not eat, drink or smoke during cleanup operation.
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7. Handling and Storage.

Handling:	Obtain special instructions before use. Do not handle until all safety precautions have been read and fully understood. Pour the product using a funnel or other equipment to avoid splashing and glugging. Suitable container materials: HDPE. Keep container tightly closed.
Storage:	Store in a cool, dry, well-ventilated place in its original packaging. Keep containers securely sealed. Check packaging for leaks and other physical damages. Keep out of reach of children. Store below 25°C and away from sources of ignition. Keep away from food, drink and animal feeding stuffs.

8. Exposure Control/Personal Protection

Engineering measures:	Use in well ventilated area
Respiratory Protection:	Not required under normal conditions of use.
Hand Protection:	Chemical elbow-length butyl rubber gloves should be worn.
Eye Protection:	Safety chemical goggles should be worn.
Hygiene measures:	Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing. Wash hand before breaks and at the end of work. Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco.

9. Physical and Chemical Properties

Form:	Liquid
Colour:	Light straw coloured liquid
Odour:	Faint odour
Flash Point:	>100°C

10. Stability and Reactivity

Chemical stability:	Product is chemically stable.
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11. Toxicological Information

Acute toxicity:	Abamectin Oral LD ₅₀ (rat) 8.7-12.8 mg/kg REFERENCE SOURCE: 836. Abamectin (Pesticide residues in food: 1992 evaluations Part II Toxicology) http://www.inchem.org/documents/jmpr/jmpmono/v92pr02.htm . [INCHEM]
Eye irritation:	Levamisol Oral LD ₅₀ (mouse and rat) 200 mg/kg Irritant.

12. Ecological Information

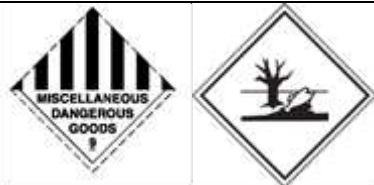
Acute fish toxicity:	Abamectin LC ₅₀ : 3.6ppb (96h); (rainbow trout)
Aquatic daphnia toxicity:	Abamectin EC ₅₀ : 0.34 ppb (48h) (daphnia magna)

13. Disposal Considerations.

After spill or incident:	Preferably dispose of through use. If this is not possible dispose of in an approved landfill or waste disposal company. Treat product so that it is no longer toxic.
After intended use:	Triple rinse containers, dispose of rinsate in a disposal pit away from desirable plants and their roots, and watercourses. On site disposal of undiluted chemicals is unacceptable. Recycle containers via Agrecovery .

14. Transportation Information.

Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1% abamectin)
UN Number:	3082
Hazard Class:	9
Hazchem Code:	3Z
Packing Group:	III
Marine Pollutant	Yes
Flashpoint °C	>100°C
Hazardous substances regulations:	Maximum quantity per package permitted on passenger service vehicles 1.0L.



15. Regulatory Information.

HSNO Approval Number: HSR007976

ACVM Approval Number: A10375

HSNO Classification

6.1D(oral), 6.5B, 6.6B, 6.8B, 6.8C, 6.9A, 9.1A, 9.2C, 9.3B, 9.4A

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Controls for hazardous substances:

- Level 2 Emergency Management Information required when > 0.1 Litre is present in a workplace.
- Level 3 Emergency Management Plans required when > 100 Litres is present in a workplace.
- Where an excess of 100 Litres is stored, signage is required for ecotoxic substance.

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

16. Other Information.

HSNO = Hazardous Substances and New Organisms Act.
EPA = Environmental Protection Authority

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.