Section 1 - Identification of The Material and Supplier

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2 Mavron St. **1300 82 89 88**
Ashwood, Vic 3147

Chemical nature: **5g/l Eprinomectin**

Trade Name: **Emprishield (Eprinomectin) Pour-On For Beef And Diary Cattle**

APVMA Code: 86984/130679

Product Use: For the treatment and control of major internal and external parasites of cattle, and internal parasites of deer.

Creation Date: **June 2021**

This version issued: **June, 202121** and is valid for 5 years from this date.

Poisons Information Centre: Phone 1800 039 008 from anywhere in Australia

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

6.8B, 9.1A, 9.2C, 9.3C, 9.4A

Priority and secondary identifiers: Ecotoxic

2.2 Risk and safety phrases:

Harmful – may cause developmental damage to the unborn child from repeated oral exposure. Keep out of reach of children. Do not handle until all safety precautions have been read and understood.

Ecotoxic – Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

Harmful to the soil environment. Harmful to terrestrial vertebrates

Very toxic to terrestrial invertebrates. Apply only as directed

2.3 Other hazards None known

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, g/Ltr	TWA (mg/m^3)	STEL (mg/m^3)
Eprinomectin	133305-88-1	5	not set	not set
Other ingredients(including water)		balance	not set	not set

Determined not to be hazardous

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 1800 039 008 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: If breathing is difficult, give oxygen. If not breathing, artificial respiration. If symptoms appear, get medical attention.

Skin Contact: Wash thoroughly with plenty of soap and water after handling. Get medical attention if irritation occurs.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation occurs or persists.

Ingestion: Get immediate medical attention if ingested. DO NOT induce vomiting.

Notes for medical personnel: Toxicity following accidental ingestion can be minimized by inducing vomiting within one half hour of exposure. Since eprinomectin is believed to produce effects that mimic enhancement of GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbituates, benzodiazepines, valproic acid) in patients with potentially toxic eprinomectin exposure.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: H/A

Extinguishing Media Carbon dioxide, foam or dry chemical.

Hazchem code: 2X.

Recommended protective clothing: Emergency personnel involved in spill cleanup should wear full protective clothing (cap, waterproof coveralls and jacket, and rubber boots). Wear goggles and impervious rubber gloves (neoprene/nitrile/polyvinyl chloride) when handling spilled material

Flash point: 220C (428F). Oxides of nitrogen, sulphur, carbon monoxide and carbon dioxide may be released in a fire.

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: No data.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Eprinomectin is very toxic to certain aquatic species. Avoid contact of spilled material with soil. Do not allow any water potentially contaminated with eprinomectin including storm water, run off from spills and fire fighting activities and contaminated wastewater to enter any waterway, drain or sewer.

If emergency personnel are unavailable, absorb small spills on vermiculite or other suitable absorbing material and place in a sealed container for disposal. Dike large spills and transfer to an appropriate container for disposal.

Incinerate all spill materials and residues at temperatures greater than 600 °C.

Section 7 - Handling and Storage

Precautions for safe handling: Keep this and all chemicals out of reach of children.

Conditions for Safe storage, including and incompatibilities:

Keep this and all chemicals out of reach of children.

Store bottle in carton to protect from light. Avoid prolonged storage above 40 °C (104 °F)

Stores containing equal to or more than 100 L of IVOMEC EPRINEX Pour-On for Cattle & Deer require bunding and are subject to signage. See the Hazardous Substances Emergency Management Regulations 35-41, Identification Regulations 34 & 35 and NZS 8409 for further information.

Packing group III

Section 8 - Exposure Controls and Personal Protection

Workplace exposure standards: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Application in the workplace: Respiratory protection is recommended if the potential for exposure to aerosols exists.Latex gloves or gloves of equal or greater protection are recommended. To protect against accidental eye contact, goggles should be worn.

Personal protection: Wash hands before breaks and at the end of work. Avoid contact with the eyes.Do not eat, drink, smoke or inhale.Protective clothing should be worn to avoid direct contact.

Exposure standards outside the workplace: N/A

Engineering controls: N/A

Reference: N/A

Section 9 - Physical and Chemical Properties:

Physical Description & colour:

Appearance: Clear, slightly yellow coloured liquid.

Odour/Threshold: Practically odourless.

Solubility: Insoluble in water, soluble in 90% alcohol.
Specific Gravity: 0.91-0.92

Section 10 - Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Conditions to Avoid: Avoid prolonged exposure to excessive heat (40 °C) and direct sunlight. Store away from oxidizing materials.
Material to avoid: Plastic packing materials such as polystyrene, low density polyethylene(high pressure) (LDPE), and PVC should not be used.

Section 11 - Toxicological Information

Data and interpretation: LD/LC50 values that are relevant for classification 133305-88-1 Eprinomectin

Oral	LD50	70 mg/kg (mouse)
		55 mg/kg (rat)

Summaries data: N/A

Effects of Acute Exposure:

Eye Contact : The formulation was practically non-irritating to eyes of rabbits without ocular wash and non-irritating when followed by ocular water wash.

Skin Contact: Both vehicle and formulation were mildly irritating in a 1 month dermal study in miniswine. The formulation and active ingredient were negative in guinea pig skin sensitization assays.

Inhalation: No data available for the formulation or the active.

Ingestion: The formulation was practically non toxic orally in mice (LD50 is greater than 5 g/kg). Eprinomectin was toxic by ingestion to mice and rats (LD50 is 55-70 mg/kg). Signs of toxicity included ataxia, tremors and death.

Effects of Chronic Exposure: No data is available for the formulation.

Eprinomectin is a second generation avermectin used as an anti- parasitic agent in cattle and deer. It inhibits transmission of nerve impulses in susceptible parasites, thereby causing paralysis and death.

In a 1 month dermal study in miniswine, both the vehicle and formulation were mildly irritating to the application site. No signs or histologic evidence of neurotoxicity were observed.

Eprinomectin was negative in a battery of genotoxicity assays

Carcinogen Designation: Not listed as carcinogen by OSHA, NTA, or IARC. Carcinogenicity studies have not been conducted with eprinomectin

Section 12 - Ecological Information

Potential environmental interactions:

Avermectins are very toxic to certain aquatic organisms. Contain all runoff water. See accidental release measures section. All personnel and equipment should be decontaminated at the site.

Studies indicate that when eprinomectin comes in contact with the soil, it readily and tightly binds to the soil and becomes inactive

Data organisation: N/A

Environmental risk and safety phrases:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(eprinomectin) Marine pollutant.

Section 13 - Disposal Considerations

Disposal: Dispose of this product only by using in accordance with the label or at an approved landfill. Do NOT reuse container for any other purpose.
Ensure container is completely empty. Recycle or burn if circumstances, especially wind direction and local authority bylaws permit. Otherwise bury in a suitable landfill..

Section 14 - Transport Information

Relevant information: Dangerous Goods for transport.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Eprinomectin) UN Number: 3082
Dangerous Goods Class: 9
The maximum quantity per package of this substance allowed for carriage on public transport is 1 L.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)

http://www.kilford.com.au/ Phone (02)9251 4532