
SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Paramectin Pour-On for Cattle Paramectin RV Pour-On for Cattle
Product Code:	Paramectin Pour-On: 501740 (1 L), 501745 (2.5 L), 501750 (5 L), 502720 (20 L); Paramectin RV Pour-On: 503245 (10 L).
Recommended Use:	A pour-on anthelmintic for control of internal and external parasites of cattle.
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Street Rutherford NSW 2320 Australia
Customer Centre:	1800 023 312
Email:	customerservice@jurox.com.au
National Poisons Information Centre:	131126 (Australia-wide, 24 hours)
Emergency Telephone Number:	1800 023 312 (9a.m. – 5p.m, Monday - Friday)

Section 2: HAZARDS IDENTIFICATION

GHS Hazard Classifications:	Acute Aquatic Hazard Category 3 Acute Toxicity (Oral) Category 3 Acute Toxicity (Dermal) Category 3 Skin Irritation Category 3 Eye Irritation Category 2A
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GHS Pictograms:

Skull

Exclamation
mark

Signal Word*:	Danger
Hazard Statements*:	Toxic if swallowed or absorbed by skin contact. Causes serious eye irritation. Harmful to aquatic life.
Precautionary Statements*:	Prevention Avoid breathing vapours. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Response IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Rinse mouth.

IF ON SKIN: Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Call a POISON CENTRE or doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Storage

Store locked up.

Disposal

Dispose of contents / container in accordance with label directions.

* N.B.: These statements are determined by Work Health and Safety regulations and may not reflect Signal Headings and First Aid and Safety statements on product labelling, which are determined by a competent authority during assessment for registration.

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Diethylene glycol monobutyl ether	112-34-5	94.5%
Abamectin	71751-41-2	0.5% (Paramectin Pour-On) 1% (Paramectin RV Pour-On)
Other ingredients, non-hazardous		< 10%

Section 4: FIRST AID MEASURES

- First Aid Measures:** Consult the National Poisons Centre on 131126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
- 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.
- Ingestion:** If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. For advice, contact the National Poisons Centre on 131126. Seek medical assistance immediately.
- Skin:** If skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 15 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.
- Eye:** If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. If eye irritation persists, get medical advice/attention.
- Advice to Doctor:** No specific antidote. Treat symptomatically. If vomiting is induced, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Only induce vomiting if conscious. NOTE: wear a protective glove when inducing vomiting by mechanical means.

Section 5: FIRE FIGHTING MEASURES

- Flash Point:** 110°C.
- Hazardous Combustion Products:** If involved in a fire, may emit noxious and corrosive fumes. Expansion on heating may lead to violent rupture of containers. Slight fire risk when exposed to heat or flame.
- Extinguishing Media:** Water spray or fog, foam, dry chemical powder or BCF (where regulations permit).
- Protective Equipment:** Full protective clothing with breathing apparatus.
- HAZCHEM Code:** None specified.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Slippery when spilt. Wear appropriate protective clothing. Exclude non-essential people from the area and move upwind. Contain spill and sweep up / absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Neutralise residue. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill. For large spills, alert Fire Brigade and tell them location and nature of hazard.
Protective Clothing:	Breathing apparatus, chemical splash suit and protective gloves.
Environmental Precautions:	Prevent from entering drains, waterways or sewers. If contamination of drains and waterways occurs, advise local authority.

Section 7: HANDLING AND STORAGE

Handling:	Read safety directions before opening or using. Avoid contact with skin, eyes and inhalation of vapours. Avoid contact with clothing. Use personal protective equipment as required – see label. Do not eat, drink or smoke while handling product. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.
Storage:	Keep out of reach of children. Store below 30°C, tightly closed in a safe place, out of direct sunlight.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product. Do not handle until all safety precautions have been read and understood.
Protective Equipment:	When using the product, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow length PVC gloves and a face shield.
Engineering Controls:	Handle in a well ventilated area.
Hygiene Precautions:	Do not drink, eat or smoke when handling 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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless liquid with a mild odour.	Lower flammability limits:	Not available.
Odour:	Not available.	Vapour Pressure:	< 1 kPa @ 20°C.
Odour threshold:	Not available.	Vapour density:	Not available.
pH:	Not available.	Relative density:	Not applicable.
Melting Point:	Not available.	Specific Gravity:	Approx 0.93 – 0.98.
Boiling Point:	Approx. 230°C.	Solubility in Water:	Miscible with water.
Flash Point:	110°C.	Partition coefficient:	Not applicable.
Evaporation Rate:	Not available.	Auto-ignition temperature:	Not available.
Flammability:	Not flammable.	Decomposition temperature:	Not available.
Upper flammability limits:	Not available.	Viscosity:	Not available.

Section 10: STABILITY AND REACTIVITY

- Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the label.
- Hazardous Polymerisation:** Not known to occur.
- Materials to Avoid:** Avoid oxidising agents.

Section 11: TOXICOLOGICAL INFORMATION

- Inhalation:** Inhalation of vapours generated by the material during the course of normal handling, may be harmful.
- Ingestion:** Harmful if swallowed
Abamectin: Oral LD₅₀ 11 mg/kg (rat), 14 mg/kg (mouse)
- Skin:** The liquid may be miscible with fats or oils and may decrease the skin, producing a skin reaction described as non-allergic contact dermatitis. May cause skin irritation on prolonged contact. Is a contact sensitiser.
- Eye:** Causes serious eye irritation.
- Chronic Effects:** There is limited evidence that skin contact with this product is more likely to cause a sensitisation reaction in some persons compared to the general population. Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities. Some glycol esters and their ethers cause changes to kidney function.
- Mutagenicity:** Not considered to be mutagenic, based on the results of animal studies on the individual ingredients.
- Carcinogenicity:** Not considered to be carcinogenic, based on the results of animal studies on the individual ingredients.
- Reproductive Toxicity:** Not know to be a reproductive toxicant.

Section 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Very toxic to aquatic organisms and terrestrial invertebrates
Harmful to the soil environment

Abamectin:

Acute oral LD₅₀: 84.6 mg/kg (mallard ducks), >2000 mg/kg (bobwhite quail)
Fish LC₅₀ (96 h): 3.2 ug/L (rainbow trout), 9.6 ug/L (bluegill sunfish), 24 ug/L (channel catfish)
Daphnia EC₅₀ (48 h) 0.34 ppb
Other LC₅₀ (96 h) 1.6 ppb (pink shrimp), 0.022 ppb (mysid shrimp), 153 ppb (blue crab)

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
diethylene glycol monobutyl ether	LOW	No Data Available	LOW	HIGH
abamectin	MED	No data available	LOW	LOW

Section 13: DISPOSAL INFORMATION

- Product Disposal:** Dispose of product only by using according to label or by approved waste collection. Do not dispose of undiluted chemicals on-site.
- Container Disposal:** Triple or (preferably) pressure rinse the containers. Break, crush or puncture and bury empty containers in local authority landfill. If not available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.

**Section 14: TRANSPORT INFORMATION**

Dangerous Goods Classification: Not considered a Dangerous Good for transport according to the criteria of the Australian Dangerous Goods (ADG) Code.

HAZCHEM Code: None specified.

Section 15: REGULATORY INFORMATION

Poisons Schedule: S6

APVMA Registration Nos: 50341

Section 16: OTHER INFORMATION**Legend**

Carcinogen means a substance or a mixture which induce cancer or increase its incidence.

CAS No. means a unique number assigned to a chemical by the Chemical Abstracts Service.

EC₅₀ means the effective concentration of substance that causes 50% of the maximum response.

Flashpoint means the lowest temperature (corrected to a standard pressure of 101.3 kPa) at which the application of an ignition source causes the vapours of a liquid to ignite under specified test conditions.

GHS means the 'Globally Harmonized System of Classification and Labelling of Chemicals, published by the United Nations.

LC₅₀ (50% lethal concentration) means the concentration of a chemical in air or of a chemical in water which causes death of 50% (on half) of a group of test animals.

LD₅₀ means the median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.

Mutagen means an agent giving rise to an increased occurrence of mutations in populations of cells and / or organisms.

PVC means Polyvinyl chloride.

References

ChemIDPLus, entry for Diethylene glycol mono-n-butyl ether (RN: 112-34-5) and Abamectin (RN: 71751-41-2).

HSDB <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>, entry for Diethylene Glycol Mono-N-Butyl Ether (CASRN: 112-34-5) and Abamectin (CASRN: 71751-41-2).

New Zealand Environmental Protection Authority, HSNO Chemical Classification and Information Database (CCID), entry for Ethanol, 2-(2-butoxyethoxy) (CAS Number: 112-34-5) and Abamectin (CAS Number: 71751-41-2).

VSDB (Veterinary Substances Database, <http://sitem.herts.ac.uk/aeru/vsdb/>), entry for abamectin.

This version issued: 29 November 2017 and is valid for 5 years from this date.

Supersedes: This SDS supersedes the version issued on 29 December 2012.

Revision History:

Date of Revision	Reason
29 November 2017	Update to section 1

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END OF SDS