

### Section 1 – Identification of the substance/preparation and the company

**Product Name:** INOVATA ABAMECTIN POUR ON  
**Company:** Inovata Ltd  
**Address:** 16 Sheffield Crescent  
 PO Box 20 449  
 Christchurch  
**Telephone Number:** 0800 942 006  
**Recommended Use:** For the treatment and control of internal parasites and external parasites in cattle

### Section 2 – Hazard Identification

**Hazard Classes:** Acute oral toxicity Category 1  
 Acute dermal toxicity Category 1  
 Acute inhalation toxicity Category 1  
 Eye irritation Category 2  
 Reproductive toxicity Category 2  
 Effects on or via lactation  
 Specific target organ toxicity – repeated exposure Category 2  
 Hazardous to the aquatic environment chronic Category 1  
 Hazardous to soil organisms  
 Hazardous to terrestrial vertebrates  
 Hazardous to terrestrial invertebrates

**GHS label elements**  
 Hazard pictograms



**Signal word** WARNING

**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.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray\*.
- P261 Avoid breathing fume/gas/mist/vapours/spray.
- P263 Avoid contact during pregnancy/while nursing.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ protective clothing/ eye protection/face protection.
- P281 Use personal protective equipment as required.

### Section 3 – Composition Information

Chemical Entity	CAS No.	Content [%]
Abamectin	71751-41-2	1%
Diethylene glycol monobutyl ether	112-34-5	>80%

**IN CASE OF EMERGENCY PHONE**  
**National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)**

### Section 4 – First Aid Measures

<b>If Swallowed:</b>	Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse mouth.
<b>If in eyes:</b>	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing. If eye irritation persists: get medical advice/attention.
<b>If on skin:</b>	Wash with plenty of soap and water. If skin irritation occurs, medical advice/attention. Wash contaminated clothing before re-use.
<b>If inhaled:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor / physician if you feel unwell.
<b>Advice to Doctor:</b>	Treat symptomatically.

IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

**POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**

### Section 5 – Fire-fighting Measures

<b>Combustion Products:</b>	Fire decomposition products may be toxic if inhaled
<b>Flammability Limits:</b>	Not applicable
<b>Protective Equipment:</b>	Breathing apparatus, face shield or protective goggles, and neoprene rubber gloves and boots
<b>Extinguishing Media:</b>	Sprayed water jet, foam, dry chemical powder, CO <sub>2</sub> and sand
<b>Special Fire Fighting Methods:</b>	Do not allow water to enter drains
<b>Flash point:</b>	110°C

### Section 6 – Accidental Release Measures

<b>Spills and Disposal:</b>	Evacuate personnel to safe areas. Avoid breathing dust. Use appropriate tools to put spilt material in a suitable chemical waste container. Clean contaminated surface thoroughly. Absorb spill with inert material (e.g.vermiculite, dry sand or earth).
<b>Protective Equipment:</b>	Wear protective gloves and face/eye protection and protective clothing.
<b>Environmental Precautions:</b>	Prevent washings from entering waterways. Do NOT flush into surface water or sanitary sewer system

### Section 7– Handling and Storage

<b>Technical precautions:</b>	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
<b>Safe handling advice:</b>	Wear personal protective equipment. Use only in well ventilated areas. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do NOT ingest.

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**Storage conditions:** Keep container tightly closed in dry and well-ventilated areas.  
Store below 25°C and away from direct sunlight.

**Incompatible Materials:** No information available

### Section 8 – Exposure Controls/Personal Protection

These precautions are suggested for conditions where the potential for exposure to the product exists. Emergency conditions may require additional precautions.

**Exposure Limits:** None assigned.

**Protective Equipment:** Observe good work place practices and avoid contact with skin and eyes. Wear overalls, safety glasses and neoprene gloves when handling. Wear eye / face protection. In case of inadequate ventilation wear respiratory protection.

**Hygiene Precautions:** Do not eat, drink or smoke when using this product.

**Engineering Controls:** General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas.

### Section 9 – Physical and Chemical Properties

**Appearance:** Clear liquid

**Odour:** Specific odour

**Specific Gravity:** 0.85-1.0

**pH:** 5-8

**Flash point:** 110°C

**Vapour Pressure:** N/A

### Section 10 – Stability and Reactivity

**Stability:** Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Conditions to Avoid:** N/A

**Materials to Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon oxides

### Section 11 – Toxicological Information

**Acute effects:** Abamectin  
LD50 (Oral-rats) =10mg/kg  
LD50 (Dermal-rats) =330mg/kg

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### Chronic and long-term

#### Reproductive/ Development Effects:

Rats given 0.40 mg/kg/day of abamectin had increased stillbirths, decreased pup viability, decreased lactation and decreased pup weight. These data suggest that abamectin may have the potential to cause reproductive effects at high enough doses. (Source: EXTTOXNET)

Abamectin produced cleft palate in the offspring of treated mice and rabbits, but only at doses that were also toxic to the mothers. There were no birth defects in the offspring of rats given up to 1mg/kg/day. Abamectin is unlikely cause teratogenic effects except at doses toxic to the mother. (Source: EXTTOXNET)

#### Target Organ Effects:

In a 1-year study with dogs given oral doses of abamectin, dogs at the 0.5 and 1 mg/kg/day doses exhibited pupil dilation, weight loss, lethargy, tremors, and recumbency. Similar results were seen in a 2-year study with rats fed 0.75, 1.5, or 2 mg/kg/day. Rats at all the dosage levels exhibited body weight gains significantly higher than the controls. A few individuals in the high does group exhibited tremors (Source: EXTTOXNET)

### Section 12 - Ecological Information

#### Ecotoxicity effects:

Abamectin is highly toxic to fish and extremely toxic to aquatic invertebrates.  
LC50 (96-hour) is 0.003mg/l in rainbow trout, 0.0096 mg/L in bluegill sunfish, 0.015 mg/L in sheepshead minnows, 0.024 mg/L in channel catfish, and 0.042 mg/L in carp. The 48-hour LC50 in Daphnia magna is 0.003 mg/L

### Section 13 – Disposal Considerations

#### Product Disposal:

Preferably dispose of product by use. Otherwise dispose of product, packaging and waste at an approved landfill or equivalent facility in accordance with local, regional and national environmental regulations. Donaghys is a member of Agrecovery Container Recycling programme. For details on how to correctly prepare your container and collection sites please visit [www.agrecovery.co.nz](http://www.agrecovery.co.nz).

### Section 14 – Transport Information

#### Proper Shipping

**Name:** Environmentally Hazardous Substance, liquid, N.O.S. (Abamectin)  
**UN Number:** 3082  
**DG Class:** 9  
**Subsidiary Risk class:** None  
**Packing Group:** III  
**HAZCHEM Code:** 3Z

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### Section 15 – Regulatory Information

**ERMA NZ Registration Code:** HSR100682  
See <http://www.epa.govt.nz> for approval conditions

**NZFSA Approval Number:** A011958  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

### Section 16 – Other Information

The information in this MSDS is provided in good faith, but no warranty, expressed or implied is made. Contact Inovata Ltd for more information.

**EMERGENCY CONTACT No.: 0800 764 766 (National Poisons Information Centre)**