



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

<b>Product Name:</b>	DONAGHYS INVICTA INJECTION
<b>Company:</b>	Donaghys Ltd
<b>Address:</b>	16 Sheffield Crescent PO Box 20 449 Christchurch
<b>Telephone Number:</b>	0800 942 006
<b>Manufacturer Product Code:</b>	AIN05PK
<b>Recommended Use:</b>	Treatment and control of gastrointestinal roundworms, lungworms, liver flukes, mites and lice.

### Section 2 – Hazard Identification

<b>GHS Classifications:</b>	Acute oral toxicity Category 4 Skin sensitisation Category 1 Germ cell mutagenicity Category 2 Reproductive toxicity Category 2 Effects on or via lactation Specific target organ toxicity – single exposure Category 2 Specific target organ toxicity – repeated exposure Category 2 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to terrestrial vertebrates Hazardous to terrestrial invertebrates
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**GHS Pictograms:**



<b>Hazard Statements:</b>	H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects. H361 Suspected of damaging fertility or the unborn child. H362 May cause harm to breast-fed children. H371 May cause damage to organs. H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Hazardous to terrestrial vertebrates Hazardous to terrestrial invertebrates
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<b>Prevention Statements:</b>	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 fume/gas/mist/vapours/spray. P261 Avoid breathing fume/gas/mist/vapours/spray
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<b>Prevention Statements:</b>	P263 Avoid contact during pregnancy/while nursing.
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(Continued)

- P264 Wash hands 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.
- P281 Use personal protective equipment as required.

**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.
- P391 Collect spillage.

**Storage**

- P405 Store locked up.

**Signal Word:**

WARNING

**EPA NZ Approval Code:**

HSR100758

**Section 3 – Composition Information**

<u>Chemical Entity</u>	<u>CAS Number</u>	<u>Proportion</u>
Ivermectin	60200-06-8	1%
Clorsulon	70288-86-7	10%
Propylene glycol	57-55-6	60 – 90%
Glycerol formal	5464-28-8	35 – 45%

**Section 4 – First Aid Measures**

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



<b>General Information:</b>	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position.
<b>Skin Contact:</b>	Immediately flush body and clothes with large amounts of water, remove all contaminated clothes and footwear. Seek medical attention if irritation occurs. Take container / label or SDS for identification.
<b>Eye Contact:</b>	Immediately wash open eye in a flow of water for at least 15 minutes. Seek medical assistance if irritation occurs. Take container / label or MSDS for identification.
<b>Ingestion:</b>	Rinse mouth with water. Seek immediate medical assistance. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Take container / label or SDS for identification.
<b>Inhalation:</b>	Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance. Take container / label or SDS for identification.
<b>Notes for medical personnel:</b>	Treat symptomatically.

If medical advice is needed, have product container or label at hand.  
**POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)**

#### Section 5 – Fire-fighting Measures

<b>Extinguishing media and methods:</b>	Sprayed water jet, foam, dry chemical powder, CO <sub>2</sub> and sand.
<b>Recommended protective clothing:</b>	Fire fighters should wear self-contained breathing apparatus in enclosed areas.
<b>Further Information:</b>	Fight fire in the early stages if it is safe to do so. Make provisions to contain firefighting water. Carbon monoxide and carbon dioxide may be generated.

#### Section 6 – Accidental Release Measures

<b>Spill and leak procedure:</b>	Do not empty into drains or waters. Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use water and detergent. Also place used cleaning materials into closable receptacles. Do not eat, drink or smoke during clean-up operation. Collect spillage.
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#### Section 7– Handling and Storage

<b>Handling:</b>	Keep container tightly closed.
<b>Storage:</b>	Store in a cool and dry environment. Keep out of reach of children. Keep locked away so that unauthorised persons do not have access. Keep away from food, drink and animal feeding stuffs. Store away from sources of ignition.

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**National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)**



### 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.

<b>Engineering measures:</b>	Use in well-ventilated area
<b>Respiratory Protection:</b>	Not required.
<b>Hand Protection:</b>	Protective gloves for chemical use.
<b>Eye Protection:</b>	Not required
<b>Hygiene measures:</b>	Keep the place of work clean. Avoid contact with product. Wash hand before breaks and at the end of work. Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco.

### Section 9 – Physical and Chemical Properties

<b>Form:</b>	Liquid, oily, viscous
<b>Colour:</b>	Clear yellow
<b>Odour:</b>	Odourless
<b>Boiling point:</b>	N/A
<b>Specific gravity:</b>	1.100 – 1.180
<b>Solubility in water:</b>	Insoluble
<b>Flash point:</b>	81°C

### Section 10 – Stability and Reactivity

<b>Hazardous decomposition products:</b>	None if stored and handled correctly
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### Section 11 – Toxicological Information

<b>Acute toxicity:</b>	Ivermectin LD <sub>50</sub> , oral, mouse 29.5 mg/kg
<b>Skin irritation:</b>	Non irritant
<b>Eye irritation:</b>	Non irritant
<b>Other information</b>	Clorsulon may cause nephrotoxicity. Clorsulon may affect development and/or reproduction and may cause damage to genetic material. Ivermectin may have effects on or via lactation

### Section 12 - Ecological Information

<b>Acute fish toxicity:</b>	Ivermectin LC <sub>50</sub> (96hr) 0.003 mg/L Rainbow trout LC <sub>50</sub> (96hr) 0.0096 mg/L Bluegill sunfish
<b>Acute daphnia toxicity:</b>	NOEL 0.01ppb Water flea (Daphnia magna)
<b>Further information:</b>	This product does not bioaccumulate.

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### Section 13 – Disposal Considerations

<b>Disposal:</b>	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.
<b>Empty Container precautions:</b>	Triple rinse containers, spread rinsate on waste ground or pasture. Burn container in an appropriate incinerator, otherwise crush or puncture and bury in a suitable landfill or if appropriate recycle.

### Section 14 – Transport Information

<b>Proper Shipping Name:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Ivermectin)
<b>UN Number:</b>	3082
<b>Hazard Class:</b>	9
<b>Hazchem Code:</b>	3Z
<b>Packing Group:</b>	III
<b>Flashpoint °C</b>	81°C
<b>Marine pollutant:</b>	Yes
<b>Hazardous substances regulations:</b>	Maximum quantity per package permitted on passenger service vehicles 1L.

### Section 15 – Regulatory Information

<b>EPA NZ Registration Code:</b>	HSR100758 See <a href="http://www.epa.govt.nz">http://www.epa.govt.nz</a> for approval conditions
<b>ACVM Registration Number:</b>	A009973 See <a href="http://www.foodsafety.govt.nz">http://www.foodsafety.govt.nz</a> for approval conditions

### Section 16 – Other Information

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

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