




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

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

Section 2 – Hazard Identification

HSNO Classifications: 6.1D, 6.5B, 6.6B, 6.8B, 6.8C, 6.9B, 9.1A, 9.3C, 9.4B
GHS Classifications: 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



Hazard Statements: 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.
H400 - Very toxic to aquatic life.
H433 - Harmful to terrestrial vertebrates.
H442 - Toxic to terrestrial invertebrates.

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 dust/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.
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.

EPA NZ Approval Code: HSR100758
Signal Word: WARNING



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

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 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.
Eye Contact:	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.
Ingestion:	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.
Inhalation:	Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance. Take container / label or SDS for identification.
Notes for medical personnel:	Treat symptomatically.
Further Information:	POISON CENTRE CONTACT: 0800 764 766 (National Poisons Information Centre)

Section 5 – Fire-fighting Measures

Extinguishing media and methods:	Sprayed water jet, foam, dry chemical powder, CO ₂ and sand.
Recommended protective clothing:	Fire fighters should wear self-contained breathing apparatus in enclosed areas.
Further Information:	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

Spill and leak procedure:	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.
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IN CASE OF EMERGENCY PHONE
National Poisons Centre 03-474-4700 or 0800 POISON (0800-764-766)



Section 7– Handling and Storage

Handling: Keep container tightly closed.
Storage: 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.

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.

Engineering measures: Use in well-ventilated area
Respiratory Protection: Not required.

Hand Protection: Protective gloves for chemical use.
Not required

Eye Protection: Keep the place of work clean. Avoid contact with product.
Wash hand before breaks and at the end of work.

Hygiene measures: Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco.

Section 9 – Physical and Chemical Properties

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

Section 10 – Stability and Reactivity

Hazardous decomposition products: None if stored and handled correctly

Section 11 – Toxicological Information

Acute toxicity: Ivermectin
LD₅₀, oral, mouse 29.5 mg/kg

Skin irritation: Non irritant
Eye irritation: Non irritant

Other information 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

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

Section 13 – Disposal Considerations

Disposal:	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.
Empty Container precautions:	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

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

Section 15 – Regulatory Information

EPA NZ Registration Code:	HSR100758 See http://www.epa.govt.nz for approval conditions
ACVM Registration Number:	A009973 See http://www.foodsafety.govt.nz 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.

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