



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:
Recommended Use: Treatment and control of gastrointestinal roundworms, lungworms, liver flukes, mites and lice.

Section 2 – Hazard Identification

Hazard Classes:



6.1D Acute toxicity (oral)

6.5B Skin irritancy

6.6B Eye irritancy

6.8B Reproductive/
developmental toxicant

6.8C Reproductive/
developmental toxicant

6.9B (via lactation)

9.1A Target organ/ system

9.3C toxicity

9.4B Aquatic toxicity
Terrestrial vertebrate
ecotoxicity
Terrestrial invertebrate
ecotoxicity



EPA NZ Approval Code:

HSR001840

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 fire fighting 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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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 Number: HSR001840
See <http://www.epa.govt.nz> for approval conditions

NZFSA Approval Number: A9973
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.

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