

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Independents Own JET AWAY  
Blowfly and Lice jetting Fluid for Sheep**

**Other Names:** Ivermectin.  
**Use:** Veterinary drench for use on sheep.  
**Company:** Apparent Pty Ltd  
**Address:** Suite G.08, 762 Toorak Rd, Glen Iris, Vic 3146.  
PO Box 3092, Cotham PO, Kew, Vic 3101  
**ACN/ABN:** 143 724 136  
**Telephone Number:** 03 9822 13216  
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**Emergency Contact:** 0411 227 338  
**Email:** [wwardell@bigpond.net.au](mailto:wwardell@bigpond.net.au)

## SECTION 2

## HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.**

### Hazard statements:

- H301 Toxic if swallowed.
- H360 May damage fertility or the unborn child.
- H362 May cause harm to breast-fed children.

### Precautionary Statements:

#### Prevention:

- 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 ... thoroughly after handling
- P270 Do not eat, drink or smoke when using this product.
- P281 Use personal protective equipment as required.

#### Response:

- P330 Rinse mouth.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention:

#### Storage

- P405 Store locked up.

#### Disposal

- P501 Dispose of contents/container in accordance with national regulations.



### SECTION 3

### COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

**CHEMICAL**

Ivermectin

Other ingredients determined not to be hazardous

**CAS NUMBER**

70288-86-7

**PROPORTION**

16 g/L

Balance

### SECTION 4

### FIRST AID MEASURES

**FIRST AID**

**Ingestion:** If swallowed do NOT induce vomiting. Rinse mouth and give plenty of water to drink and contact a Doctor or Poisons Information Centre. Phone 131 126. If swallowed, activated charcoal may be advised. Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

**Eye contact:** Hold eyes open and flood gently with clean water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

**Skin contact:** Remove contaminated clothing. Wash skin with soap and water to remove chemical. If skin is irritated, seek medical advice.

**Inhalation:** Remove to fresh air and observe until recovered. If effects persist, seek medical advice.

### SECTION 5

### FIRE FIGHTING MEASURES

**Specific Hazard:** Not flammable. Eruption of containers is unlikely if involved in a fire.

**Extinguishing media:** Extinguish fire using extinguishing media suitable to burning materials, but ensure all runoff is contained.

**Hazards from combustion products:** Product will decompose when burnt and will emit toxic and noxious fumes. Fire-fighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self contained breathing apparatus. Do not breathe smoke or vapours generated.

### SECTION 6

### ACCIDENTIAL RELEASE MEASURES

**Emergence procedures / Material and methods for containment and cleanup procedures:** Wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves. In the case of spillage, stop leak if safe to do so, and contain spill. Contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite. Vacuum, shovel or pump spilled material into an approved container and dispose of waste as indicated in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use.

### SECTION 7

### HANDLING AND STORAGE

**Precautions for Safe Handling:** Poisonous if swallowed. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length gloves Wash hands after use.

**Conditions for Safe Storage:** Store below 30°C in the closed, original container. Store bottle in carton to protect from sunlight.

## SECTION 8

## EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Guidelines:**

Exposure guidelines have not been established for this product by Safe Work Australia.

### **Biological Limit Values:**

No biological limit allocated.

### **Engineering controls:**

Use in ventilated areas. Keep containers closed when not in use.

### **Personal Protective equipment (PPE):**

General: Poisonous if swallowed. Sensitive workers should use protective clothing. When preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length gloves. Wash hands after use.

Personal Hygiene: Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear light amber coloured liquid.
<b>Odour:</b>	No data.
<b>Boiling point:</b>	No data.
<b>Freezing point:</b>	No data.
<b>Specific Gravity:</b>	No data.
<b>Solubility in Water:</b>	Soluble in water.
<b>pH:</b>	6 – 7.5.
<b>Flammability:</b>	Not combustible.
<b>Corrosive hazard:</b>	Not corrosive.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is a schedule 5 (S5) poison.
<b>Formulation Type:</b>	Topical solution.

## SECTION 10

## STABILITY AND REACTIVITY

**Chemical Stability:** Product is considered stable in ambient conditions for a period of at least 2 years after manufacture when stored below 30°C.

**Conditions to avoid:** Do not store for prolonged periods in direct sunlight.

**Incompatible materials:** Strong oxidising agents, amines and strong alkalis.

**Hazardous decomposition products:** When involved in a fire will emit toxic and noxious fumes.

**Hazardous reactions:** No particular reactions to avoid.

## SECTION 11

## TOXICOLOGICAL INFORMATION

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure.

### **Potential Health Effects:**

Symptoms of exposure to Ivermectin may include decrease activity, slow rate of breathing, dilation of pupils, muscle tremors and in coordination.

### **ACUTE EFFECTS**

**Swallowed:** Poisonous if swallowed. Acute oral LD<sub>50</sub> for Ivermectin = 50 mg/kg (rat).

**Eye:** This product is not expected to cause eye irritation.

**Skin:** This product is not expected to cause skin irritation.

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## **SECTION 11** TOXICOLOGICAL INFORMATION (Continued)

**Inhaled:** This product is not expected to be an inhalation irritant.

**Long Term Exposure:**

**Chronic toxicity:** Available data indicates that this product is not harmful. Safe Work Australia have classified this product as a category 2 – toxic for reproduction.

The acute oral toxicity studies of Ivermectin have shown clear difference among species. Rodents are uniquely sensitive compared to other species in which the compound has been tested. It is therefore appropriate to base human risk assessment on the response in mice. Information clearly demonstrates that the CF<sub>1</sub> mouse is extremely sensitive to the toxicity of ivermectin. In no species are there data to suggest that the drug is a teratogen in the absence of maternal toxicity. Various toxicity studies in rats and rabbits in addition to those in cattle, pigs, sheep, and horses emphasize the particular susceptibility of the CF<sub>1</sub> mouse to ivermectin toxicity. Despite the extremely wide use of ivermectin, there is no evidence of significant incidences of adverse effects on reproductive performance in treated animals and the very limited data on reproductive toxicity in humans indicate that ivermectin does not increase the incidence of birth defects.

The main effects noted in field and community-based trials with ivermectin in humans infected with *Onchocerca spp.* have been those arising from the death of the parasites, the so-called Mazzotti reaction, which is characterized by arthralgia, pruritus, fever, hypertension, tachycardia, headache, and ocular changes. Neither in these studies nor during ivermectin treatment of other parasitic diseases in humans in Africa, South America, the Caribbean, and certain other areas has a subset of atypically sensitive individuals been detected. Furthermore, the adverse effects experienced by the small number of persons accidentally exposed to doses (often of veterinary preparations) higher than customary human doses are in keeping with those noted in several test animal species.

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## **SECTION 12** ECOLOGICAL INFORMATION

**Environmental Toxicology:** Ivermectin is toxic to fish with LC<sub>50</sub> = 0.025 µg/L for rainbow trout (96-hour); LC<sub>50</sub> = 3 µg/L for *Daphnia magna*. No data for other species.

**Environmental Fate:**

Ivermectin binds tightly to soil and becomes inactive over time. Sunlight hastens the breakdown to inactive components. Contaminated water can be treated by carbon adsorption.

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## **SECTION 13** DISPOSAL CONSIDERATIONS

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see section 8. Spills and Disposal: Keep material out of streams and sewers. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

In rural areas contact ChemClear <http://www.chemclear.com.au> for help with collection of unwanted rural chemicals.

**Disposal of empty containers:** Triple or preferably pressure rinse containers before disposal. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMuster symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program.

## SECTION 14

## TRANSPORT INFORMATION

**Road & Rail Transport:** This product is exempt from classification as a Dangerous Good in packs less than 3,000 kg or litres under the Australian Code for the Transport of Dangerous Goods by Road and Rail. For bulk shipments this product is a class 9, UN 3082. (See special provision AU01).

**Marine and Air Transport:** Jet Away is classified as a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air transport Association (IATA). If transporting by sea or air the following Dangerous Goods Classification applies:-  
UN 3082, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Ivermectin). Hazchem code •3Z. Hazard Identification Number (HIN) 90.

## SECTION 15

## REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP), this product is a schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 66378.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is not classified as a Dangerous Good according to the ADG Code for packs less than 3000 litres (SP AU01) (7<sup>th</sup> Ed).

Requirements concerning special training:

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

## SECTION 16

## OTHER INFORMATION

Issue Date: 7 October 2013. Valid for 5 years. (First issue).

Key to abbreviations and acronyms used in this MSDS:

ADG Code: Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).

Ataxia: Inability to control the coordinate movements of the muscles.

Carcinogen: An agent which is responsible for the formation of a cancer.

Genotoxic: Capable of causing damage to genetic material, such as DNA.

Mutagenic: Capable of inducing a genetic mutation in an organism.

LD<sub>50</sub>: Median Lethal Dose A statistically derived single dose of a substance that can be expected to cause death in 50% of dosed animals.

OCS: Office of Chemical Safety.

PPE: Personal protective equipment.

Teratogen: An agent capable of causing abnormalities in a developing foetus.

TWA: The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.

Safe Work Australia: Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

### References

1. "Search Hazardous Substances". Safe Work Australia website. (2013).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. "Hazardous Chemicals Requiring Health Monitoring." Safe Work Australia website. (2013).

*This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.*

*If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. End MSDS*