

Safety Data Sheet

according to WHS Regulations

Printing date 02.02.2021

Revision: 28.01.2021

1 Identification

Product Name: ZINJET BLOWFLY AND LICE JETTING FLUID FOR SHEEP

Other Means of Identification: Mixture

APVMA Number: 61696

Recommended Use of the Chemical and Restriction on Use: Veterinary drench for use on sheep.

Details of Manufacturer or Importer:

Nutrien Ag Solutions Limited
Level 5, Building A, 26 Talavera Road,
Macquarie Park, NSW 2113

Phone Number: (02) 9889 5400

Emergency telephone number: 1800 44 88 92

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Aquatic Acute 3 H402 Harmful to aquatic life.

Signal Word Warning

Hazard Statements

H302 Harmful if swallowed.

H402 Harmful to aquatic life.

Precautionary Statements

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

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

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 70288-86-7	Ivermectin	1.6%
	Acute Toxicity (Oral) 2, H300; Acute Toxicity (Dermal) 3, H311; Toxic To Reproduction 2, H361; STOT RE 2, H373; Aquatic Acute 1, H400	

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

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Skin Contact:

In case of skin irritation, immediately remove contaminated clothing and wash affected areas with water and soap for 5 minutes. Seek medical attention if symptoms persist.

Eye Contact:

In case of eye irritation, hold eyelids open and rinse with water for 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory irritation.

Skin Contact: May cause mild irritation and redness.

Eye Contact: May cause mild irritation, redness, and lachrymation.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and other pyrolysis products.

This product is not flammable, but may burn or decompose in a fire.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Prevent firefighting run off from entering drains and water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear protective equipment, keep unprotected persons away.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Decontaminate spill area with detergent and water.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of mists or vapours.

Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in the original container a cool, dry and well ventilated area out of direct sunlight. Store below 30°C. Keep tightly closed when not in use. Do not allow product to freeze or store below 4°C.

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8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC or rubber elbow-length gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

Occupational protective clothing, cotton overalls buttoned to the neck and wrist (or equivalent clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Clear yellow
Odour:	Mild
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	~0 °C
Initial Boiling Point/Boiling Range:	~100 °C (at 100 kPa)
Flash Point:	Not applicable
Flammability:	Product is not flammable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure at 20 °C:	2.37 kPa (water vapour pressure)
Relative Density:	1.02 - 1.05
Vapour Density:	As for water.
Evaporation Rate:	As for water.
Solubility in Water:	Completely soluble
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

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Conditions to Avoid: Direct sunlight. Storage at temperatures above 30°C. Do not freeze or store below 4°C.**Incompatible Materials:** No further relevant information available.**Hazardous Decomposition Products:** Oxides of carbon and other pyrolysis products.

11 Toxicological Information

Toxicity:**LD50/LC50 Values Relevant for Classification:** No information available**Acute Health Effects****Inhalation:** May cause mild respiratory irritation.**Skin:** May cause mild irritation and redness.**Eye:** May cause mild irritation, redness, and lachrymation.**Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** Repeated exposure may cause allergic disorders in sensitive individuals.**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:**

The Australian Acceptable Daily Intake (ADI) for ivermectin for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOAEL of 0.5 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

(Ref: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2020).

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:** Harmful to aquatic life**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available**Mobility in Soil:** No information available**Other adverse effects:** No information available

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13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:

All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 Other Information

Date of Preparation or Last Revision: 28.01.2021

Prepared by:

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 2: Acute toxicity - oral – Category 2

Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4

Acute Toxicity (Dermal) 3: Acute toxicity - dermal – Category 3

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3

Data altered compared to the previous version:

Section 1: Details of Manufacturer or Importer, Emergency Phone Number, Section 2: Hazardous Nature, Section 4: First aid measures, symptoms caused by exposure, Section 5: Specific Hazards Arising from the Chemical, Section 6: Personal Precautions, Protective Equipment and Emergency Procedures, Methods and Materials for Containment and Cleaning Up, Section 9: Physical and Chemical Properties, Section 10: Stability and Reactivity, Section 11: Acute toxicity information, Additional Information, Section 12: Aquatic toxicity.

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020"

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determinations as to the suitability of the information provided to the particular circumstances in which the product is used.