

**Safety Data Sheet**  
according to WHS Regulations

Date of issue: 06.02.2026

Revision: 06.02.2026

**1 Identification**

**Product name: ZINJET BLOWFLY AND LICE JETTING FLUID FOR SHEEP**

**APVMA approval:** 61696

**Relevant identified uses of the substance or mixture and uses advised against**  
parasiticide, topical solution/suspension

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

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

**Telephone:** +61 (02) 9889 5400

**Emergency telephone number:** 1800 033 111

**2 Hazard(s) Identification**

**Classification of the substance or mixture**

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

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.



GHS09 environment

Aquatic Acute 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.



GHS07

Acute toxicity - oral – Category 4 H302 Harmful if swallowed.

**Signal word** Warning

**Hazard statements**

H302 Harmful if swallowed.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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/international regulations.

**3 Composition and Information on Ingredients**

**Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous components:**

70288-86-7	ivermectin	1-3%
	Acute toxicity - oral – Category 2, H300; Acute toxicity - dermal – Category 3, H311; Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=10000)	

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## 4 First Aid Measures

### General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

### Following inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

### Following skin contact:

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if skin irritation occurs and persists.

### Following eye contact:

Remove contact lenses, if present and easy to do. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Get medical attention if irritation persists.

### Following 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.

### Most important symptoms and effects, both acute and delayed

Harmful if swallowed. May cause eye irritation. May cause skin irritation. Inhalation of mist may cause respiratory irritation. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

## 5 Fire Fighting Measures

### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

### Special hazards arising from the substance or mixture

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.

Hazardous combustion products include oxides of carbon, oxides of nitrogen and ammonia.

**HAZCHEM (EAC) Code:** •3Z

### Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## 6 Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Prevent skin contact. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Collection and use of expertise.

### Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

### Methods and material 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. Wash area after spill.

## 7 Handling and Storage

### Precautions for safe handling

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

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal

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feedingstuffs.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry and well-ventilated area, out of direct sunlight. Keep container tightly closed. Protect from freezing. Store below 30°C. Keep away from strong oxidising agents, strong bases and strong acids.

## 8 Exposure controls and personal protection

**Ingredients with limit values that require monitoring at the workplace:**

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

**Exposure controls** Ensure adequate ventilation of the working area.

**Respiratory protection:**

Respiratory protection is not required under normal use conditions.

In case of inadequate ventilation wear respiratory protection. Filter A/P2 (combined filters against particles and organic gases and vapours) according to AS/NZS1716 standards.

**Protection of hands:**

Wear protective gloves. Recommended material: neoprene, nitrile rubber. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wash hands and face thoroughly after handling.

**Eye protection:**

Wear eye/face protection. Use safety goggle with side protection. Use protective eyewear to guard against splash of liquids.

**Body protection:**

Wear appropriate personal protective clothing to prevent skin contact. Recommended overalls, splash apron or equivalent chemical impervious outer garment, rubber boots. Personal protective equipment for the body, appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear yellow
<b>Odour:</b>	Mild
<b>pH-value:</b>	No information available
<b>Melting point/freezing point:</b>	approx. 0 °C
<b>Initial boiling point and boiling range:</b>	approx. 100 °C
<b>Flash point:</b>	Does not flash up to boiling
<b>Flammability</b>	Product is not flammable
<b>Decomposition temperature:</b>	No information available
<b>Density:</b>	1.02–1.05 g/cm <sup>3</sup>
<b>Solubility in / Miscibility with water</b>	Fully miscible

## 10 Stability and Reactivity

**Reactivity** No further relevant information available.

**Chemical stability** Stable at ambient temperature and under normal conditions of storage and use.

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** Keep away from incompatible materials. Protect from direct sunlight and freezing.

**Incompatible materials:** Strong oxidising agents, strong acids and strong bases.

**Hazardous decomposition products:** Oxides of carbon, oxides of nitrogen and ammonia.

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## 11 Toxicological Information

<b>LD/LC50 values relevant for classification:</b>		
<b>70288-86-7 ivermectin</b>		
Oral	LD50	29.5 mg/kg (rat)
Dermal	LD50	406 mg/kg (rabbit)

**Acute toxicity** Harmful if swallowed.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### Additional 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', 2025).

## 12 Ecological Information

**Toxicity** Very toxic to aquatic life with long lasting effects.

<b>Aquatic toxicity:</b>	
<b>70288-86-7 ivermectin</b>	
EC50/48h	0.00059 mg/l (water flea (daphnia magna))
LC50/96h	0.003 mg/l (rainbow trout (oncorhynchus mykiss))

**Persistence and degradability** No further relevant information available.

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

**Other adverse effects** No further relevant information available.

## 13 Disposal considerations

### Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Avoid release to the environment. Refer to special instructions.

### Uncleaned packaging:

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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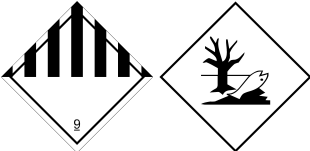
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## 14 Transport information

<b>UN-Number</b>	
<b>ADG, IMDG, IATA</b>	UN3082
<b>UN proper shipping name</b>	
<b>ADG, IMDG, IATA</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ivermectin)
<b>Transport hazard class(es)</b>	
<b>ADG, IMDG, IATA</b>	9
<b>Packing group</b>	
<b>ADG, IMDG, IATA</b>	III
<b>DG label(s)</b>	
	
<b>Marine pollutant:</b>	Yes
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	E1
<b>HAZCHEM (Emergency Action) Code</b>	•3Z
<b>ERG (ANZ 2024) Guide No.</b>	171

## 15 Regulatory information

**Australian Inventory of Industrial Chemicals** All ingredients are listed or exempted from listing.

**Standard for the Uniform Scheduling of Medicines and Poisons (Poison Standard)** Schedule 5.

**Australian Pesticides and Veterinary Medicines Authority**

This product is registered with the Australian Pesticides and Veterinary Medicines Authority.

APVMA approval number: 61696.

## 16 Other information

**Relevant phrases**

H300 Fatal if swallowed.

H311 Toxic in contact with skin.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute toxicity - oral – Category 2: Acute toxicity – Category 2

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

Acute toxicity - dermal – Category 3: Acute toxicity – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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**Sources**

Safe Work Australia's Code of Practice for Labelling of Workplace Hazardous Chemicals (under WHS Regulations).

Australian Dangerous Goods Code.

**Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Nutrien Ag Solutions makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet.