

Infosafe No™ 3NULL	Issue Date : November 2019	ISSUED by NUFARM
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 Product Name **TAZER®**

## 1. Identification

<b>GHS Product Identifier</b>	TAZER®
<b>Product Code</b>	02996
<b>Product Type</b>	Fungicide
<b>Company Name</b>	Nufarm NZ
<b>Address</b>	6 Manu Street, Otahuhu Auckland 2024 New Zealand
<b>Telephone/Fax Number</b>	Tel: 0-9-270 4150
<b>Emergency phone number</b>	0800 651 911
<b>Email</b>	nzinfo@nufarm.com
<b>Recommended use of the chemical and restrictions on use</b>	A fungicide for the control of a wide range of diseases in wheat, barley, potato, sweetcorn, maize, peas, field tomatoes, onions, grapes, turf and ryegrass seed crops.
<b>Other Information</b>	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

## 2. Hazard Identification

<b>Signal Word (s)</b>	DANGER
<b>Hazard Statement (s)</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Exclamation mark, Health hazard, Environment,



<b>Precautionary statement – Prevention</b>	P260 Do not breathe mist or vapours of the spray. P264 Wash hands and face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary statement – Response</b>	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P314 Get medical advice/attention if you feel unwell. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
<b>Other Information</b>	6.1D acute toxicant, 6.9B target organ toxicant, 9.1A aquatic toxicant

## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid
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Azoxystrobin	131860-33-8	250 g/L
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#### 4. First-aid measures

<b>First Aid Measures</b>	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.
<b>Inhalation</b>	Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
<b>Skin</b>	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.
<b>Eye contact</b>	Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Remove contact lenses, if present and easy to do. Seek medical assistance.
<b>First Aid Facilities</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
<b>Advice to Doctor</b>	Treat symptomatically.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Hazards from Combustion</b>	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
<b>Products</b>	
<b>Special Protective Equipment for fire fighters</b>	Full protective clothing and self-contained breathing apparatus.
<b>Specific Methods</b>	Keep up wind. Do not allow washings to reach sewage or effluent systems.
<b>Hazchem Code</b>	2Z
<b>Decomposition Temp.</b>	Information not available.
<b>Other Information</b>	Location Certificate: Not applicable Hazardous Atmosphere Zone: Not applicable Number of Fire Extinguishers: Not applicable

#### 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill. Wash area with water and detergent and absorb with inert material. Dispose of waste safely in an approved landfill.
<b>Personal Protection</b>	For appropriate personal protective equipment (PPE), refer Section 8.
<b>Environmental Precautions</b>	Prevent from entering drains, waterways or sewers.

#### 7. Handling and storage

<b>Precautions for Safe Handling</b>	The person mixing or applying TAZER must be a 'Qualified Contractor' or 'Qualified Loader'. For more information refer to the Hazardous Substances Property Controls Notice 2017. It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017. This product must not be applied onto or into water. Avoid skin and eye contact and inhalation of spray mist. CERTIFIED HANDLER: Is not required. TRACKING: Is not required.
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<b>Conditions for safe storage, including any incompatibilities</b>	<p>RECORD KEEPING: Records of use as described in NZS8409 Management of Agrichemicals must be kept if 3L or more of TAZER is applied within 24 hours. Keep out of reach of children.</p> <p>Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.</p> <p>Stores containing 100L of TAZER require secondary containment and are subject to signage, and more than 100L require emergency response plans.</p>
<b>Other Information</b>	<p>Always read the label and any attached leaflet before use.</p> <p>Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.</p>

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
<b>Appropriate engineering controls</b>	Handle in well ventilated areas, generally natural ventilation is adequate.
<b>Personal Protective Equipment</b>	When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, waterproof hat, cotton overalls buttoned to the neck and wrist, and boots.
<b>Hygiene Measures</b>	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Off-white to beige fluid
<b>Odour</b>	Slight aromatic odour
<b>Decomposition Temperature</b>	Information not available.
<b>Melting Point</b>	Information is not available.
<b>Solubility in Water</b>	Disperses in water 6.7mg/L at 20°C for azoxystrobin
<b>Specific Gravity</b>	1.09
<b>pH</b>	6 - 8 (1%)
<b>Vapour Pressure</b>	8.25 x 10 <sup>-13</sup> mmHg @ 20°C for azoxystrobin
<b>Vapour Density (Air=1)</b>	Information not available.
<b>Partition Coefficient: n-octanol/water</b>	KowlogP=2.5(20°C) for azoxystrobin
<b>Flash Point</b>	Not flammable
<b>Flammability</b>	Not applicable.
<b>Auto-Ignition Temperature</b>	Information not available.
<b>Flammable Limits - Lower</b>	Not applicable.
<b>Flammable Limits - Upper</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Information not available.
<b>Kinematic Viscosity</b>	Information not available.
<b>Other Information</b>	(SC) Suspension Concentrate

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal conditions of handling and storage.
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<b>Hazardous Decomposition Products</b>	Can decompose at high temperatures forming toxic and irritating gases.
<b>Hazardous Polymerization</b>	Hazardous polymerisation will not occur.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat) is >5,000mg/kg for azoxystrobin
<b>Acute Toxicity - Dermal</b>	LD50 (rat) is >2,000mg/kg for azoxystrobin
<b>Acute Toxicity - Inhalation</b>	LC50 (4h, nose only) for female rats = 0.69mg/L for azoxystrobin technical
<b>Skin</b>	Slightly irritating (Azoxystrobin)
<b>Respiratory sensitisation</b>	Information not available.
<b>Skin Sensitisation</b>	Information not available.
<b>Germ cell mutagenicity</b>	Information not available.
<b>Carcinogenicity</b>	Not a carcinogen.
<b>Reproductive Toxicity</b>	Not a developmental toxicant.
<b>STOT-repeated exposure</b>	May cause organ damage from repeated exposure at high doses.
<b>Aspiration Hazard</b>	Information not available.
<b>Chronic Effects</b>	Azoxystrobin technical has been extensively tested on laboratory mammals and in test-tube systems. It did not show carcinogenic, teratogenic or mutagenic effects in animal experiments.
<b>Serious eye damage/irritation</b>	Information not available.
<b>Respiratory Irritation</b>	Information not available.
<b>Skin corrosion/irritation</b>	Information not available.
<b>Subchronic/Chronic Toxicity</b>	May cause organ damage from repeated exposure at high doses (azoxystrobin).

## 12. Ecological information

<b>Persistence and degradability</b>	Azoxystrobin is persistent.
<b>Mobility</b>	Moderately mobile in soil (Azoxystrobin)
<b>Environmental Fate</b>	Azoxystrobin: Low bioaccumulation potential. Stable in water. Sinks in water (after 24 hours). Kow logP = 2.5 (20°C)
<b>Bioaccumulative Potential</b>	Not Bioaccumulative. (azoxystrobin)
<b>Basis for Assessment</b>	Ecotoxicological data has not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
<b>Acute Toxicity - Fish</b>	LC50 (96h) rainbow trout = 0.47mg/L for azoxystrobin LC50 (96h) carp = 1.6mg/L for azoxystrobin
<b>Acute Toxicity - Daphnia</b>	EC50 (48h) daphnia is 0.28mg/L for azoxystrobin
<b>Acute Toxicity - Algae</b>	EC50 (72h) Pseudokirchneriella subcapitata is 0.18mg/L for azoxystrobin
<b>Acute Toxicity - Other Organisms</b>	LC50 mallard ducks and bobwhite quail is >2,000mg/kg for azoxystrobin LC50 (14d) earthworms is 283mg/kg for azoxystrobin LD50 honey bee (oral) is >25µg/bee and (contact) >200µg/bee for azoxystrobin

## 13. Disposal considerations

<b>Product Disposal</b>	Dispose of product only by using according to the label, or at an approved landfill.
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# Safety Data Sheet

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**Container Disposal** Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

## 14. Transport information

**Transport Information** It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.  
**U.N. Number** 3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (azoxystrobin, 25%)  
**Transport hazard class(es)** 9  
**Hazchem Code** 2Z  
**Packaging Method** -  
**Packing Group** III  
**EPG Number** -  
**IERG Number** 47  
**IMO Marine Pollutant** Yes. Environmentally Hazardous Substance mark required.  
**IMDG EMS** F-A, S-F  
**Other Information** Do not carry more than 10L of TAZER on a passenger service vehicle.  
Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

## 15. Regulatory information

**National and or International Regulatory Information** Registered pursuant to the ACVM Act 1997, No.P8125  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.  
Approved pursuant to the HSNO Act 1996, Approval Code HSR100461  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.  
**Hazard Rating Systems** NFPA/HMIS: 2-1-0

## 16. Other Information

**Contact Person/Point** IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE  
24Hr Tollfree Emergency No: 0800 651 911  
24Hr Emergency No: National Poisons Centre Phone: 0800 764 766  
**Revisions Highlighted** 5 yearly review carried out. Various changes and updates made to document.  
**Other Information** Supersedes SDS issued July 2015  
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