

Infosafe No™ 3NULL	Issue Date : July 2015	ISSUED by NUFARMNZ
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Product Name **TAZER®**

1. Identification

GHS Product Identifier	TAZER®
Product Code	02996
Product Type	Fungicide
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150 Fax: 0-9-270 4159
Emergency phone number	0800 651 911
Email	info@nz.nufarm.com
Recommended use of the chemical and restrictions on use	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.
Other Information	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

Other Information	6.1D acute toxicant, 6.9B target organ toxicant, 9.1A aquatic toxicant TOXICITY Harmful- may be harmful if swallowed, inhaled or absorbed through the skin. May cause organ damage from repeated oral exposure at high doses. ECOTOXIC Very toxic to aquatic organisms.
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3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Azoxystrobin	131860-33-8	250 g/L

4. First-aid measures

First Aid Measures	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.
Inhalation	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.
Ingestion	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.
Skin	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.
Eye contact	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.
First Aid Facilities	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

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

6. Accidental release measures

Spills & Disposal	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.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers.

7. Handling and storage

Precautions for Safe Handling	This product must not be applied onto or into water. Avoid skin and eye contact and inhalation of spray mist. APPROVED HANDLER: This product must be under the control of an approved handler when applied in a wide dispersive manner or used by a commercial contractor. TRACKING: Is not required. 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.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. 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. Stores containing 100L of TAZER require secondary containment and are subject to signage, and more than 100L require emergency response plans.
Other Information	Always read the label and any attached leaflet before use. 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.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment	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.
Hygiene Measures	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

Form	Liquid
Appearance	Off-white to beige fluid
Odour	Slight aromatic odour
Solubility in Water	Disperses in water

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Specific Gravity	6.7mg/L at 20°C for azoxystrobin 1.09
pH	6 - 8 (1%)
Vapour Pressure	8.25 x 10 ⁽⁻¹³⁾ mmHg @ 20°C for azoxystrobin
Flash Point	Not flammable
Other Information	(SC) Suspension Concentrate

10. Stability and reactivity

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

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat) is >5,000mg/kg for azoxystrobin
Acute Toxicity - Dermal	LD50 (rat) is >2,000mg/kg for azoxystrobin
Acute Toxicity - Inhalation	LC50 (4h, nose only) for female rats = 0.69mg/L for azoxystrobin technical
Skin	Slightly irritating (Azoxystrobin)
Eye	Mildly irritating (Azoxystrobin)
Carcinogenicity	Not a carcinogen.
Reproductive Toxicity	Not a developmental toxicant.
Chronic Effects	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.
Subchronic/Chronic Toxicity	May cause organ damage from repeated exposure at high doses (azoxystrobin).

12. Ecological information

Persistence and degradability	Azoxystrobin is persistent.
Environmental Fate	Azoxystrobin: Low bioaccumulation potential. Stable in water. Moderate mobility in soil. Sinks in water (after 24 hours). Kow logP = 2.5 (20°C)
Basis for Assessment	Ecotoxicological data has not been determined specifically for this product. Data below is for the active ingredient unless otherwise stated.
Acute Toxicity - Fish	LC50 (96h) rainbow trout = 0.47mg/L for azoxystrobin LC50 (96h) carp = 1.6mg/L for azoxystrobin
Acute Toxicity - Daphnia	EC50 (48h) daphnia is 0.28mg/L for azoxystrobin
Acute Toxicity - Algae	EC50 (72h) Pseudokirchneriella subcapitata is 0.18mg/L for azoxystrobin
Acute Toxicity - Other Organisms	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

Product Disposal	Dispose of product only by using according to the label, or at an approved landfill.
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.
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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 for registration conditions.
Packaging & Labelling	Approved pursuant to the HSNO Act 1996, Approval Code HSR100461 See www.epa.govt.nz for approval controls.
Hazard Rating Systems	HARMFUL*ECOTOXIC-keep out of reach of children. 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	The SDS was reviewed due to HSNO re-classification. Various changes and updates made to the document.
Other Information	Supersedes SDS issued April 2011 ...End Of MSDS...

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