

Infosafe No™ 3NUUI	Issue Date : June 2015	ISSUED by NUFARMNZ
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 Product Name **TAZER XPERT AU**

## 1. Identification

<b>GHS Product Identifier</b>	TAZER XPERT AU
<b>Product Code</b>	02989
<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 4157 Fax: 0-9-270 4159
<b>Emergency phone number</b>	0800 651 911
<b>Email</b>	info@nz.nufarm.com
<b>Recommended use of the chemical and restrictions on use</b>	A fungicide
<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>Other Information</b>	6.3A skin irritant, 8.3A eye corrosive, 6.7B possible carcinogen, 6.8B reproductive or developmental toxicant, 6.9B target organ toxicant, 9.1A aquatic toxicant, 9.2D soil toxicant, TOXICITY Harmful - may cause skin irritation. May cause reproductive/development damage and organ damage from repeated oral exposure. Suspected of causing cancer. CORROSIVE Danger - this product is corrosive and may cause eye damage. ECOTOXIC Very toxic to aquatic organisms. Harmful to the soil environment.
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## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Liquid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Azoxystrobin	131860-33-8	80 g/L
	Epoxiconazole	135319-73-2	31.25 g/L
	Ethoxylated alcohol	68439-49-6	0-10 %
	Ingredients determined to be non-hazardous	-	balance

## 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

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**First Aid Facilities** necessary. Seek medical assistance. Remove contact lenses, if present and easy to do. 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.

**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. Keep containers cool with water spray.

**Specific hazards arising from the chemical** Considered low risk due to water content, however upon evaporation of water the product is combustible.

**Hazchem Code** 2X

**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: To be established  
TRACKING: To be established  
RECORD KEEPING: To be established

**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 XPERT AU 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, boots, and a NIOSH approved half face mask with organic vapour cartridge + dust/mist prefilter.

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**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. Wash splashes of concentrate from skin immediately.

## 9. Physical and chemical properties

**Form** Liquid

**Appearance** Beige fluid

**Solubility in Water** Disperses in water  
 6mg/L at 20°C for azoxystrobin  
 6.63 x 10<sup>-4</sup>g/100ml at 20°C for epoxiconazole

**Specific Gravity** 1.04

**pH** 6.6

**Vapour Pressure** 1.1 x 10<sup>-7</sup> mPa @ 20°C for azoxystrobin  
 <0.01 mPa @ 20°C for epoxiconazole

**Flash Point** Not flammable

**Other Information** (SC) Suspension Concentrate

## 10. Stability and reactivity

**Chemical Stability** Stable under normal conditions of handling and storage.

**Incompatible Materials** Strong oxidizing agents.

**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  
 LD50 (rat) is 3,160mg/kg for epoxiconazole

**Acute Toxicity - Dermal** LD50 (rat) is >2,000mg/kg for azoxystrobin  
 LD50 (rat) is >2,000mg/kg for epoxiconazole (percutaneous)

**Acute Toxicity - Inhalation** LC50 (4h, nose only) for female rats = 0.69mg/L for azoxystrobin  
 LC50 (4h) for rats = >5.3mg/L air for epoxiconazole

**Skin Sensitisation** May cause skin sensitization.

**Carcinogenicity** Suspected carcinogen (epoxiconazole).

**Reproductive Toxicity** May cause reproductive/development damage from repeated oral exposure (epoxiconazole).

**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.

**Serious eye damage/irritation** Risk of serious damage to eyes.

**Skin corrosion/irritation** Irritant

**Subchronic/Chronic Toxicity** May cause organ damage (biliary system and liver) from repeated exposure at high doses (azoxystrobin, epoxiconazole).

**Other Information** The Australian Acceptable Daily Intake (ADI) for epoxiconazole for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 1 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: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', March 2013).  
 The Australian Acceptable Daily Intake (ADI) for azoxystrobin for a human is 0.1 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 10 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: Comm. Dept. of Health and Ageing, Office of Chemical Safety,

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'ADI List', March 2013).

## 12. Ecological information

<b>Persistence and degradability</b>	Azoxystrobin is persistent.
<b>Environmental Fate</b>	Azoxystrobin: Low bioaccumulation potential. Stable in water. Moderate mobility in soil. Sinks in water (after 24 hours). Kow logP = 2.5 (20°C)
<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 LC50 (96h) trout = 2.2 - 4.6mg/L for epoxiconazole
<b>Acute Toxicity - Daphnia</b>	EC50 (48h) daphnia is 0.23mg/L for azoxystrobin LC50 (48h) daphnia is 8.7mg/L for epoxiconazole
<b>Acute Toxicity - Algae</b>	EC50 (72h) selenastrum capricornutum is 0.36mg/L for azoxystrobin EC50 (72h) green algae 2.3mg/L for epoxiconazole EC50 algae 0.05-50mg/L for a range of ethoxylated alcohols
<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 EC50 (14d) earthworms is >1,000mg/kg soil for epoxiconazole LD50 honey bee (oral) is >25µg/bee and (contact) >200µg/bee for azoxystrobin LD50 bee >100µg/gee for epoxiconazole

## 13. Disposal considerations

<b>Product Disposal</b>	Dispose of product only by using according to the label, or at an approved landfill.
<b>Container Disposal</b>	Triple rinse empty container and add rinsate to spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

## 14. Transport information

<b>Transport Information</b>	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
<b>U.N. Number</b>	3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (azoxystrobin 8%, ethoxylated alcohol)
<b>Transport hazard class(es)</b>	9
<b>Hazchem Code</b>	2X
<b>Packaging Method</b>	-
<b>Packing Group</b>	III
<b>EPG Number</b>	-
<b>IERG Number</b>	47
<b>IMO Marine Pollutant</b>	Yes. Environmentally Hazardous Substance mark required.
<b>IMDG EMS</b>	F-A, S-F
<b>Other Information</b>	Do not carry this product 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

<b>National and or International Regulatory Information</b>	This product is not registered for use in New Zealand. For Export only.
<b>Packaging &amp; Labelling</b>	HARMFUL * CORROSIVE * ECOTOXIC - keep out of reach of children
<b>Hazard Rating Systems</b>	NFPA/HMIS: 3-1-0
<b>Hazard Category</b>	HARMFUL * CORROSIVE * ECOTOXIC - Keep out of reach of children



# Safety Data Sheet

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## 16. Other Information

**Date of preparation** June 2015  
**or last revision of**  
**SDS**

**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  
Revised HSNO classification.

**Revisions**  
**Highlighted**

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