

Infosafe No™ 3NUUC	Issue Date : April 2017	ISSUED by NUFARM
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 Product Name **Tazer Xpert Fungicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Tazer Xpert Fungicide		
Product Code	0708	NUL 2690	
Product Type	Group 11	3	Fungicide
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)		
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia		
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001		
Emergency phone number	1800 033 498 (24hr Australia)		
Recommended use of the chemical and restrictions on use	For the control of various diseases in wheat, barley and oats as specified in the Directions for Use table on the label.		
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.		

2. Hazard Identification

GHS classification of the substance/mixture	CA2 Carcinogenicity: Category 2 TR2 Toxic to Reproduction: Category 2 ED1 Eye Damage/Irritation: Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H318 Causes serious eye damage.
General Precautionary Statement (s)	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.
Pictogram (s)	Corrosion, Health hazard, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	P308+P313 IF exposed or concerned: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.
Other Information	Poisons Schedule S5

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Azoxystrobin	131860-33-8	80 g/L
	Epoxiconazole	133855-98-8	31.25 g/L
	Fatty alcohol polyglycoether	98-86-2	0-10 %

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Other ingredients (considered non-hazardous)	30-60 %
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4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	Rinse mouth and then drink plenty of water. Obtain medical advice.
Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical advice.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect in sealed open top containers for disposal.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.

7. Handling and storage

Precautions for Safe Handling	Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.
Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs.
Other Information	Azoxystrobin is extremely phytotoxic to certain apple varieties and extreme care must be used to prevent injury to apple trees. DO NOT spray this product where spray drift may reach apple trees. DO NOT use spray equipment that has been previously used to apply this product to spray apple trees. Even trace amounts can cause unacceptable damage.

8. Exposure controls/personal protection

Occupational exposure limit values	An exposure standard has been set for propylene glycol at (TWA) 474 mg/m ³ .
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Respiratory Protection	Do not inhale spray mist.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

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Requirements Concerning Special Training	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.
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9. Physical and chemical properties

Form	Liquid
Appearance	Beige suspension.
Solubility in Water	Disperses in water.
Specific Gravity	1.043
pH	7-8 in 1% solution
Partition Coefficient: n-octanol/water	Kow Log P is 2.5 for azoxystrobin and 3.3 for epiconazole @ 20°C;
Flammability	Not flammable

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Hazardous Decomposition Products	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD50 (rat) >2,000 mg/kg (GHS ATE estimate)
Acute Toxicity - Dermal	LD50 (rat) >5,000 mg/kg (GHS ATE estimate)
Acute Toxicity - Inhalation	LD50 (rat) (4hr) >5.0 mg/l (GHS ATE estimate)
Ingestion	Early symptoms, shortly after exposure, are mainly gastro intestinal (nausea, diarrhoea, vomiting and abdominal pain).
Inhalation	Not a likely route of exposure.
Skin	Mildly irritating to the skin.
Eye	A mild eye irritant.
Skin Sensitisation	Product is not a skin sensitiser.
Carcinogenicity	The weight of the evidence is that azoxystrobin technical is not carcinogenic. Epoxiconazole is a suspected human carcinogen based on limited evidence from animal studies.
Reproductive Toxicity	Epoxiconazole is a suspected human reproductive toxicant based on limited evidence from animal studies.
Serious eye damage/irritation	Mild eye irritant.
Mutagenicity	Data indicates no mutagenic effects.
Skin corrosion/irritation	Mild skin irritant.
Other Information	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, 'ADI List', March 2016). ADI for epoxiconazole is 0.01 mg/kg/day, NOEL 1 mg/kg/day.

12. Ecological information

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Persistence and degradability	Rapidly degrades in soil.
Known Harmful Effects on the Environment	The product is a marine pollutant for sea transport. Harmful to fish.
Other Precautions	Do not contaminate streams, rivers or waterways with the chemical or used containers. Spray drift can cause damage, read the label for more information.
Environmental Protection	
Acute Toxicity - Fish	Toxic to fish. LC50 (96hr) for rainbow trout is 0.47 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia magna is 0.23 mg/l for azoxystrobin.
Acute Toxicity - Algae	EC50 for Selenastrum capricornutum is 0.36 mg/l for azoxystrobin EC50 for pseudokirchneriella subcapitata is 0.0078 mg/l for epoxiconazole
Acute Toxicity - Other Organisms	Bees: Not toxic to bees. LD50 >200 µg/bee. LD50 for bobwhite quail is >1,000 mg/kg for azoxystrobin

13. Disposal considerations

Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
Storage and Transport	Considered non dangerous for road and rail transport (in packaging, including IBCs not greater than 3000 Lt each) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01.
UN Number (Sea Transport)	For bulk shipments as Class 9, use UN 3082, HazChem code 2Z. 3082
IMO Class/Packing Group	Class 9; Packing Group III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains azoxystrobin and epoxiconazole)

15. Regulatory information

Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Poisons Schedule	S5
Packaging & Labelling	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 69803.



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16. Other Information

Date of preparation 03/04/2017
or last revision of SDS This SDS replaces document dated May 2015.
Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498
Revisions The SDS was reviewed. Minor changes were made to the information.
Highlighted ...End Of MSDS...

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