

Infosafe No™ 3NV3M Issue Date : May 2019 ISSUED by NUFARM

Product Name **Experimental Fungicide NUL 3470**

Classified as hazardous

1. Identification

GHS Product Identifier	Experimental Fungicide NUL 3470
Product Code	NUL3470
Product Type	FRAC Group 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 experimental use.
Other Information	This Safety Data Sheet (SDS) describes an experimental substance. Full identification or hazard information may not be known. In the absence of this information, always take a precautionary approach to storage and handling.

2. Hazard Identification

GHS classification of the substance/mixture	OT4 Acute Toxicity - Oral: Category 4 TR1 Toxic to Reproduction: Category 1 SC-2 Skin Corrosion/Irritation: Category 2 ED1 Eye Damage/Irritation: Category 1 AC2 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Signal Word (s)	DANGER
Hazard Statement (s)	H302 Harmful if swallowed. H361d Suspected of damaging fertility or the unborn child H315 Causes skin irritation. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
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)	Exclamation mark, Health Hazard, Corrosion, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P281 Use personal protective equipment as required. P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	P308+P313 IF EXPOSED OR CONCERNED: Get medical advice/attention. 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. 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.

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3. Composition/information on ingredients

Chemical Liquid

Characterization

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Prothioconazole	178928-70-6	100 g/L
	Tebuconazole	107534-96-3	126 g/L
	N,N-Dimethylnonamide	6225-08-7	30-60 %
	N-Butyl pyrrolidone	3470-98-2	0-10 %

4. First-aid measures

Inhalation Over-exposure by inhalation is improbable. Check for other causes of observed symptoms and seek medical advice.

Ingestion Rinse mouth and then drink plenty of water.
 If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.

Skin Do not give anything by mouth to a semi-conscious or unconscious person.
 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.

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 Fine water spray, dry powder, carbon dioxide, alcohol-resistant foam.

Hazards from Combustion May emit hazardous smoke and fumes if involved in fires or exposed to extreme heat.

Special Protective Equipment for fire fighters Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

Hazchem Code 2Z

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 spilled material and waste in sealable open-top type containers for disposal.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.
 If product has dried out and the possibility of dust generation exists, wear a suitable respirator.

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 cool, well ventilated area.
 Do not store for prolonged periods in direct sunlight.

Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

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Occupational exposure limit values	No exposure standard has been established 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 cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles. Re-entry period: Do not enter treated area until spray has dried.
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.

9. Physical and chemical properties

Form	Liquid
Appearance	Clear straw coloured liquid
Odour	Slight odour
Solubility in Water	Disperses in water.
pH	6.8 (1%)
Vapour Pressure	0.0004 mPa (20°C for prothioconazole); 0.0013 mPa (20°C for tebuconazole)
Partition Coefficient: n-octanol/water	Kow Log P is 3.82 for prothioconazole; 3.7 for tebuconazole
Flash Point	94°C
Flammability	Not a combustible liquid (GHS).

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Excessive heat and fire.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat) >2000 mg/kg for mixture (ATE)
Acute Toxicity - Dermal	LD50 (rat) >2000 mg/kg for mixture (ATE)
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5 mg/l for mixture (ATE)
Ingestion	Low toxicity. However, swallowing large amounts of concentrate may cause nausea and vomiting.
Skin	May irritate the skin.
Eye	The concentrate will cause severe irritation of the eyes.
Reproductive Toxicity	Evidence from animal studies suggests the potential for developmental toxicity on repeated or prolonged exposure.
Serious eye damage/irritation	This product is a severe eye irritant.
Skin corrosion/irritation	The product is a skin irritant.

12. Ecological information

Persistence and degradability	Not readily biodegradable.
Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Environmental Protection	Spray drift should be avoided, read the label for more information.
Acute Toxicity - Fish	NOEC (21d) for rainbow trout is 0.308 mg/l for prothioconazole.

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NOEC (21d) for rainbow trout is 0.012 mg/l for tebuconazole.

13. Disposal considerations

Product Disposal On site disposal of the concentrated product is not acceptable.

Container Disposal Do not use this container for any other purpose.

14. Transport information

U.N. Number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (contains prothioconazole and tebuconazole)

Transport hazard class(es) 9

Hazchem Code 2Z

Packaging Method 3.8.9

Packing Group III

EPG Number 9C1

IERG Number 47

15. Regulatory information

16. Other Information

Date of preparation or last revision of SDS 09/05/2019

Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498

Revisions Highlighted

...End Of MSDS...

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