

Infosafe No™ 3NUXW	Issue Date : July 2018	ISSUED by NUFARM
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 Product Name **Botector Fungicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Botector Fungicide
Product Code	0958
Product Type	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	This product is a biological fungicide to protect grapes from infections by botrytis bunch rot / grey mould (<i>Botrytis cinerea</i>) 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	SS-1 Sensitization - Skin: Category 1
Signal Word (s)	WARNING
Hazard Statement (s)	H317 May cause an allergic skin reaction.
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, The below pictogram is a GHS Hazard symbol for workplace use only. See SECTION 14 for Dangerous Goods information.
	
Precautionary statement – Prevention	P261 Avoid breathing dust. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. P363 Wash contaminated clothing before reuse.
Other Information	Poisons Schedule : Not scheduled

3. Composition/information on ingredients

Chemical Characterization Information on Composition	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Aureobasidium pullulans strains	67891-88-7	1000 g/kg

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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	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. Give a glass of water. Do not give anything by mouth to a semi-conscious or unconscious person. If vomiting occurs, give more water to drink to assist dilution.
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 if irritation develops or persists.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	If involved in a fire, it may emit oxides of carbon.
Special Protective Equipment for fire fighters	Breathable air apparatus must 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	Sweep up product without generating dust. Collect spilled material and waste in sealable open-top type containers for disposal. Dispose of at a landfill in accordance with local regulations.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer.

7. Handling and storage

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. Do not store above 20°C for more than 18 months. Do not store above 8°C for more than 24 months.
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8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been set for this product or the active ingredients.
Appropriate engineering controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment	When 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 and disposable face mask. 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.
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	Solid
Appearance	Off white to light pink granules
Odour	Odour similar to bread.
Solubility in Water	Disperses in water.
pH	6.6 (10g/L)
Vapour Pressure	non volatile

10. Stability and reactivity

Chemical Stability	Stable at 20°C for 10 months and at cool storage (8°C) for 24 months.
Incompatible Materials	Avoid contact with strong oxidising agents and strong reducing agents.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat) >2000 mg/kg for this product
Acute Toxicity - Dermal	LD50 (rat) >2000 mg/kg for this product
Acute Toxicity - Inhalation	LC50 (rat) (4hr) is greater than the maximum attainable test concentration (5.18 mg/l air).
Ingestion	No specific symptoms. Possible generalised symptoms include nausea and vomiting.
Inhalation	Dusts may cause slight irritation to the respiratory tract.
Skin	Dusts may cause slight skin irritation.
Eye	Dusts may cause slight irritation to the eyes.
Skin Sensitisation	Moderate skin sensitiser.

12. Ecological information

Persistence and degradability	Readily biodegradable.
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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, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

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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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.

15. Regulatory information

Regulatory Information Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Packaging & Labelling 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: 82495.

16. Other Information

Date of preparation or last revision of SDS 06/07/2018
This SDS replaces document dated October 2017.
Contact Person/Point Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted The SDS was reviewed. Minor changes were made to the information.
See section 11 - Dusts may cause slight irritation.
...End Of MSDS...

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