


Infosafe No™ 3NUWS	Issue Date : June 2021	ISSUED by NUFARM
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 Product Name **PROLECTUS®**

1. Identification

GHS Product Identifier	PROLECTUS®
Product Code	02800
Product Type	Fungicide
Company Name	Nufarm NZ
Address	6 Manu Street, Otahuhu Auckland 2024 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency phone number	0800 651 911
E-mail Address	nzinfo@nufarm.com
Recommended use of the chemical and restrictions on use	For the control of grey mould in wine grapes.
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

GHS classification of the substance/mixture	Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017, New Zealand. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
Signal Word (s)	WARNING
Hazard Statement (s)	H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement – General	Read label before use.
Pictogram (s)	Environment, 
Precautionary statement – Response	P391 Collect spillage.
Other Information	9.1A aquatic toxicant

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Fenpyrazamine	473798-59-3	400 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

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Skin	induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.
Eye contact	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.
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.
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
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
Decomposition Temp.	Information not available.
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	The person mixing or applying PROLECTUS must be a 'Qualified Contractor' or 'Qualified Loader'. For more information refer to the Hazardous Substances Property Controls Notice 2017. It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017. This product must not be applied onto or into water. Avoid skin and eye contact and inhalation of spray mist. CERTIFIED HANDLER: Is not required. TRACKING: Is not required. RECORD KEEPING: Records of use as described in NZS8409 Management of Agrichemicals must be kept if 3L or more of PROLECTUS is applied within 24 hours.
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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 PROLECTUS 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	Brown to light brown liquid.
Odour	Characteristic odour.
Decomposition Temperature	Information not available.
Freezing Point	Information not available.
Solubility in Water	20.4 mg/L at 20°C for fenpyrazamine.
Specific Gravity	1.107
pH	6.5-8.0
Vapour Pressure	<10 (-2) mPa @ 20°C for fenpyrazamine.
Vapour Density (Air=1)	Information not available.
Partition Coefficient: n-octanol/water	Kow LogP=3.52 (25°C)
Flash Point	N/A
Flammability	The product is not flammable.
Auto-Ignition Temperature	Information not available.
Flammable Limits - Lower	N/A
Flammable Limits - Upper	N/A
Initial boiling point and boiling range	Information not available.
Kinematic Viscosity	Information not available.
Other Information	(SC) Suspension Concentrate

10. Stability and reactivity

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Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	There are no known conditions that are likely to result in a hazardous situation.
Hazardous Decomposition Products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include harmful gases or vapours.
Hazardous Polymerization	Hazardous polymerisation will not occur.

11. Toxicological Information

Acute Toxicity - Oral	Based on available data classification criteria are not met.
Acute Toxicity - Dermal	Based on available data classification criteria are not met.
Acute Toxicity - Inhalation	Based on available data classification criteria are not met.
Respiratory sensitisation	Based on available data classification criteria are not met.
Germ cell mutagenicity	Based on available data classification criteria are not met.
Carcinogenicity	Based on available data classification criteria are not met.
Reproductive Toxicity	Based on available data classification criteria are not met.
STOT-single exposure	Based on available data classification criteria are not met.
Aspiration Hazard	Based on available data classification criteria are not met.
Serious eye damage/irritation	Based on available data classification criteria are not met.
Respiratory Irritation	Based on available data classification criteria are not met.
Skin corrosion/irritation	Based on available data classification criteria are not met.

12. Ecological information

Persistence and degradability	The degradability of the product is not known.
Mobility	Information not available for product. Adsorption/desorption coefficient = Soil- Koc: approx 350@25°C (Fenpyrazamine)
Environmental Fate	Fenpyrazamine: Low bioaccumulation potential. Kow logP = 3.52 (25°C)
Bioaccumulative Potential	Information not available for the product. Fenpyrazamine has low potential for bioaccumulation.
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 = 5.2mg/L for fenpyrazamine. NOEC 60 days = 0.37mg/L fenpyrazamine.
Acute Toxicity - Daphnia	LC50 (48h) daphnia is 5.5mg/L for fenpyrazamine.
Acute Toxicity - Algae	LC50 (72h) Selenastrum capricornutum is 0.42 mg/L for fenpyrazamine.

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.

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14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
U.N. Number	3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (fenpyrazamine, 40%)
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
Marine Pollutant	Yes
Other Information	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.P9146 See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR101048 See www.epa.govt.nz for approval controls.
Hazard Rating Systems	NFPA/HMIS: 0-1-1

16. Other Information

Date of preparation or last revision of SDS	June 2016.
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	SDS updated for GHS requirements. ...End Of MSDS...

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