

SAFETY DATA SHEET

Afupet




AGPRO[®]
(N.Z.) LIMITED

1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	AGPRO NZ Limited
SUPPLIER ADDRESS	10 Polaris Place, East Tamaki, Auckland 2013 PO Box 58-963, Botany, Auckland 2163
SUPPLIER CONTACT DETAILS	09 273 3456 or freephone 0508 536 536 www.agpro.co.nz
EMERGENCY PHONE	
POISON INFORMATION	0800 POISON (0800 764 766) 24 hours
CHEMICAL EMERGENCY	0800 CHEMCALL (0800 243 622) 24 hours
ACTIVE INGREDIENT(S) AND PRESENTATION	500 g/L folpet in the form of a suspension concentrate.
USE	Fungicide

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to the NZ Environmental Protection Authority criteria.

GHS CLASSIFICATIONS	Carcinogenicity Category 2 Hazardous to the aquatic environment acute Category 1 Hazardous to terrestrial vertebrates	
SIGNAL WORD	WARNING	
PICTOGRAMS		
HAZARD STATEMENTS	H351	Suspected of causing cancer
	H400	Very toxic to aquatic life (acute).
	H433	Harmful to terrestrial vertebrates.
PREVENTION STATEMENTS	P103	Read label before use
	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P273	Avoid unintended release to the environment.
RESPONSE STATEMENTS	P308 + P313	If exposed or concerned: Get medical advice/ attention.
	P391	Collect spillage.
STORAGE STATEMENTS	P405	Store locked up. See Section 7
DISPOSAL STATEMENTS	P501	Dispose of contents/containers in accordance with relevant regulations. See Section 13.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
Folpet	133-07-3	500 g/L (50%w/v)
Non-hazardous ingredients	Proprietary	Balance to volume

4. FIRST AID MEASURES

For advice call the National Poisons Centre 0800 POISON (0800 764 766) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.
SKIN (or hair) CONTACT	Remove contaminated clothing. Flush skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call a doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Call the POISON CENTRE or a doctor if you feel unwell.
IF EXPOSED OR CONCERNED	Get medical attention/advice.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Hand and eye wash facilities and a safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Water fog, carbon dioxide or dry chemical. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compounds.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	3Z

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover/absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area and absorb with further inert material. Dispose of safely at an approved landfill. See Section 13 for details on disposal.

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7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING

Carefully read the label before use. Obtain special instructions prior to handling or use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas. Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.

STORAGE

Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area and avoid and direct sunlight. Store away from foodstuffs, fertilisers or seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 litres or more of Afupet require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

Not established.

EYE PROTECTION

Wear eye/face protection.

RESPIRATORY PROTECTION

Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator with P2 particulate prefilter

PROTECTIVE CLOTHING

Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.

VENTILATION

Avoid inhalation. Use in a well-ventilated area.

HYGIENE PRECAUTIONS

Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face after handling before breaks and after work.

Contaminated clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/STATE/ COLOUR

Off-white flowable liquid

ODOUR

Slight organic odour

ODOUR THRESHOLD

Not Available

PH

5.0 – 7.0

MELTING POINT/FREEZING POINT

Not Available

INITIAL BOILING POINT/BOILING RANGE

Not Available

FLASHPOINT

>100°C

FLAMMABILITY

Not flammable

UPPER/LOWER FLAMMABILITY LIMITS

Not Available

VAPOUR PRESSURE

Not Available

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9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOUR DENSITY	Not Available
RELATIVE DENSITY	1.24 – 1.28 g/ml @ 20°C
SOLUBILITY	Disperses in water
OCTANOL/WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Alkali materials, such as lime and Bordeaux mixture with reduce fungicidal activity.
HAZARDOUS DECOMPOSITION PRODUCTS	Hazardous polymerisation will not occur. Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	>5000mg/kg in rats
DERMAL TOXICITY	>2000mg/kg in rats
INHALATION TOXICITY	>5.28mg/L in rats
EYE CORROSION/IRRITANCY	No information
SKIN CORROSION/IRRITANCY	No information
CHRONIC EFFECTS	
CARCINOGENICITY	Suspected of causing cancer.
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
SKIN SENSITISATION	Non sensitiser
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

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12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic life.
PRECAUTIONS	<p>This product must not be applied directly into or on water. Avoid contamination of any water supply with product or empty container.</p> <p>Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.</p> <p>Persons mixing, loading, applying or otherwise handling this product must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.</p> <p>It is an offence to use this product on animals.</p>
ECOTOXICITY INFORMATION	<p>Folpet technical material</p> <p>LD50 (Bobwhite quail) >2510 mg/kg</p> <p>LC50 (96hr, Rainbow trout) 0.2566 mg/L</p> <p>LD50 (honeybee) 236µg/bee</p> <p>EC50 (72hr, algae, Scenedesmus) >48.4mg/L</p> <p>EC50 (48hr, aquatic invertebrates) 0.68mg/L</p>
PERSISTENCE AND DEGRADABILITY	<p>Major metabolites are phthalimide, phthalic acid and phthalamic acid. DT50 (soil) 4.3d; DT50 (water) <0.7hour. Folpet is strongly adsorbed to soil.</p> <p>Readily biodegradable in water and not bioaccumulative.</p>

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.	
PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, contact your supplier or chemical recycling facility.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Return empty container to an Agrecovery collection point for disposal, or puncture and dispose of at an approved facility. Do NOT burn. Do not use the container for any other purpose.

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14. TRANSPORT INFORMATION

Classified as a Dangerous Good according to Land Transport Rule: Dangerous Goods 2005, NZS 5433:2020, IMDG or IATA.



	Land Transport (NZS 5433)	Sea Transport (IMDG/IMO)	Air Transport (IATA/ICAO)
UN Number	3082	3082	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (folpet 50%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (folpet 50%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (folpet 50%)
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant Status		Marine Pollutant	

15. REGULATORY INFORMATION

ACVM REGISTRATION

Registered pursuant to the ACVM Act 1997, No. P10181.
See MPI website for registration conditions www.foodsafety.govt.nz

HAZARDOUS SUBSTANCE APPROVAL CODE

Approved pursuant to the HSNO Act 1996, Approval Code HSR101068.
See the EPA website for approval controls www.epa.govt.nz

RECORDS OF APPLICATION

If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter the air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept for three years of each application of the substance.

ADDITIONAL HSNO CONTROLS

This product must not be applied at rates exceeding 1.5 L/ha (equivalent to 0.75kg folpet ai/ha) and must not be applied in the same area more than two times in any 365 day period.

A minimum application interval of at least 14 days must be observed.

This product must be applied by ground-based application methods only. Do NOT use aerial application methods.

Do not apply this substance within 2 metres of a downwind water body.

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16. OTHER INFORMATION

SDS ISSUE DATE	26 September 2024
SDS REVIEW DATE	September 2029
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (November 2023) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Authority (New Zealand)
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50%/Median Lethal Concentration
LD50	Lethal Dose, 50%/Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG/IMO	International Maritime Dangerous Goods/International Maritime Organisation
IATA/ICAO	International Air Transport Association/International Civil Aviation Organisation
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

End of Safety Data Sheet