

SAFETY DATA SHEET

AGPRO Mollus


AGPRO

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	50 g/kg metaldehyde in the form of a bait
USE	Molluscicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Acute inhalation toxicity Category 4 Reproductive toxicity Category 2 Specific target organ toxicant (repeated exposure) Category 2 Hazardous to the aquatic environment chronic Category 3 Hazardous to terrestrial vertebrates
HSNO CLASSIFICATIONS	6.1D, 6.8B, 6.9B, 9.1C, 9.3C
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to liver and/or nervous system through prolonged or repeated exposure H412 Harmful to aquatic life with long lasting effects. H433 Harmful to terrestrial vertebrates.
PREVENTION STATEMENTS	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 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathing dust/fume. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P273 Avoid unintended release to the environment. P280 Wear protective gloves / protective clothing / eye protection / face protection. P314 Get medical advice/attention if you feel unwell.

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2. HAZARDS IDENTIFICATION

RESPONSE STATEMENTS	P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P308 + P313 IF exposed or concerned: Get medical advice/ attention.
	P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
	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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/w
Metaldehyde	108-62-3	0.5% (50 g/kg)
Denatonium benzoate (bittering agent)	3734-33-6	<0.1%
Non-hazardous ingredients	Proprietary	Balance to 100%

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.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. 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	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use extinguishing media suitable to the surrounding environment. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Non-flammable. Thermal decomposition may produce toxic fumes and compound.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	Not Applicable.

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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 SPILLS AND DISPOSAL

Prevent product from entering waterways or drains.
Generating as little dust as possible, sweep up solid spills and place in a waste container. Wash area with water and absorb with inert material such as attapulgite, soil, etc., and place in a sealable and labelled waste container.
Dispose of safely at an approved landfill.
See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING

Carefully read the label before 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.

STORAGE

Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area and avoid 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 1000kg or more of AGPRO Mollus 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

Respiratory protection is not usually required if good ventilation is maintained. Where an inhalation risk exists, wear a P2 particulate dust mask or respirator.

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 before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ COLOUR

Blue granular pellet

ODOUR

No information

ODOUR THRESHOLD

Not Available

pH

4.0 – 7.0

MELTING POINT / FREEZING POINT

Not Available

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9. PHYSICAL AND CHEMICAL PROPERTIES

INITIAL BOILING POINT / BOILING RANGE	Not Available
FLASHPOINT	Not Applicable
FLAMMABILITY	Non-flammable
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	0.8 – 0.9 g/cm ³ @ 25°C
SOLUBILITY	Soluble in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available
KINEMATIC VISCOSITY	Not Available

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for three years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
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	Metaldehyde LD50 (guinea pig) 175 mg/kg
DERMAL TOXICITY	Metaldehyde LD50 2275 mg/kg
INHALATION TOXICITY	Metaldehyde LC50 0.203 mg/L
EYE CORROSION / IRRITANCY	No information
SKIN CORROSION / IRRITANCY	No information
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	May cause damage to liver and/or nervous system through prolonged or repeated exposure
NARCOTIC EFFECTS	No information

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12. ECOLOGICAL INFORMATION

TOXICITY	Harmful to aquatic life with long lasting effects
PRECAUTIONS	This product must not be applied directly into or on water. Avoid contamination of any water supply with product or empty container. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.
ECOTOXICITY INFORMATION	Metaldehyde EC50 (Daphnia magna, 48hr) >77.6 mg/L
BIOACCUMMULATIVE	No
READILY DEGRADABLE	No

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.
PACKAGING DISPOSAL	Dispose of empty packaging at an approved landfill. Do not burn. Do not use packaging for any other purpose.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.

15. REGULATORY INFORMATION

ACVM REGISTRATION	P009735
HAZARDOUS SUBSTANCE APPROVAL CODE	See MPI website for registration conditions www.foodsafety.govt.nz HSR007794
ADDITIONAL HSNO CONTROLS	See the EPA website for approval controls www.epa.govt.nz The maximum application rate of this substance shall be 8 kg/ha (0.4 kg a.i./ha), except for when the substance is used on container plants whereby no maximum application rate is set.

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16. OTHER INFORMATION

SDS ISSUE DATE	27 January 2023
SDS REVIEW DATE	January 2028
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (April 2022) 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 products properties.

End of Safety Data Sheet