


## AGPRO Valzine Broadcast Granules

## 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	Contains: 67g/kg hexazinone and 150g/kg terbuthylazine in the form of a granule
CHEMICAL FAMILY	Triazinone and Triazine
USE	Herbicide

## 2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Specific organ toxicity repeated exposure Category 2 Hazardous to soil organisms Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1
HSNO CLASSIFICATIONS	6.9B, 9.1A, 9.2A
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	<p>H400 May cause damage to organs through prolonged or repeated exposure.</p> <p>H400 Very toxic to aquatic life (acute).</p> <p>H410 Very toxic to aquatic life with long lasting effects (chronic). Very toxic to soil organisms</p>
PREVENTION STATEMENTS	<p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P260 Do not breathe dust/fume.</p> <p>P264 Wash face and hands thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p>
RESPONSE STATEMENTS	<p>P101 If medical advice is needed, have product or container or label at hand.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P391 Collect spillage.</p>
STORAGE STATEMENTS	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/w
Hexazinone	51235-04-02	6.7%
Terbuthylazine	5915-41-3	15%
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 attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running 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.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

## 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Alcohol resistant foam is preferred firefighting medium but if it is not available, standard foam can be used. 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	Absorb liquid spills with inert, non-combustible absorbent material (attapulgite or similar) and place in a waste container. Sweep up solid spill, generating as little dust as possible and place in waste containers. Wash area with water and absorb with inert, non-combustible absorbent material (attapulgite or similar). Collect and place in suitable sealable and labelled containers. See Section 13 for details on disposal.

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## 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. This product must be under the control of a suitably qualified handler during mixing, loading and use.
STORAGE	Store in original container, tightly closed, in a secure, 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 100 kg or more of AGPRO Valzine Broadcast Granules 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 required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) and P1 (Particulate) 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	Creamy coloured granules
ODOUR	Not Available.
ODOUR THRESHOLD	Not Available.
pH (neat)	Not Available
MELTING POINT / FREEZING POINT	Not Available
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	0.55 – 0.6 g/ml @ 25°C (typical)
SOLUBILITY	Dispersible in water
OCTANOL / WATER PARTITION	Not Available.
COEFFICIENT	
AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

KINEMATIC VISCOSITY	Not Available.
PARTICLE CHARACTERISTICS	Not Available.

## 10. STABILITY AND REACTIVITY

STABILITY	Stable under normal storage conditions in original container for two years.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS</b>	No toxicological data is available for the finished product
ORAL TOXICITY	LD50 (rats) 1503 mg/kg for terbuthylazine LD50 (Guinea pig) 860 mg/kg for hexazinone
DERMAL TOXICITY	LD50 (rats) >2000mg/kg for terbuthylazine LD50 (rabbit) >5278 mg/kg for hexazinone
INHALATION TOXICITY	LC50 (rats) >5.3mg/L (4 hours) for terbuthylazine LC50 (rat) 3.94 mg/L for hexazinone
EYE CORROSION/IRRITANCY	Causes serious eye irritation
SKIN CORROSION/IRRITANCY	May cause mild skin irritation
<b>CHRONIC EFFECTS</b>	
CARCINOGENICITY	Not Applicable.
REPRODUCTIVE TOXICITY	Not Applicable.
GERM CELL MUTAGENICITY	Not Applicable.
ASPIRATION	Not Applicable
STOT/SE	Not Applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.
NARCOTIC EFFECTS	Not Applicable.

## 12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment.
PRECAUTIONS	This product must be under the control of a suitably qualified handler during mixing, loading and use. This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container. Very toxic to some plant species. Spray drift hazard – may cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application.

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## 12. ECOLOGICAL INFORMATION

DO NOT USE ON PASTURE OR CROPLAND AREAS.	
ECOTOXICITY INFORMATION	Terbutylazine LC50 (96hr, Rainbow Trout) 3.4mg/L LC50 (96hr, Mysidopsis bahia) 0.109mg/L Algae EC50 (5day, Selenastrum capricornutum) 0.0032mg/L
	Hexazinone Grass Shrimp LC50 (96hr, Grass Shrimp) 78 mg/L EC50 (5day, Selenastrum capricornutum) 7.0 ppb (0.007 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, for small amounts, place in a suitable sealable and labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility.
CONTAINER DISPOSAL	Dispose of empty packaging at an approved landfill. Do NOT burn. Do not use the container for any other purpose.

## 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	3077	3077	3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains terbutylazine 15%, hexazinone 7%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains terbutylazine 15%, hexazinone 7%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains terbutylazine 15%, hexazinone 7%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III

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## 14. TRANSPORT INFORMATION

Hazchem	3Z	3Z	-
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Marine Pollutant Status	Marine Pollutant
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The Environmentally Hazardous Substance Mark is not required when transported in packages of less than 5kg/L (UN Model Regulations: Special Provision 375; IATA Special Provision A197; IMDG; Special Provision 969)

## 15. REGULATORY INFORMATION

## ACVM REGISTRATION

Exempt from registration under the ACVM Act 1997.

## HAZARDOUS SUBSTANCE APPROVAL CODE

HSR100828  
See the EPA website for approval controls [www.epa.govt.nz](http://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, written records must be kept.

## 16. OTHER INFORMATION

SDS ISSUE DATE	16 June 2022
SDS REVIEW DATE	June 2027

## REFERENCES

Supplier SDS  
NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020)  
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 <sup>3</sup>	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

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## 16. OTHER INFORMATION

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