

# SAFETY DATA SHEET

## AGPRO Valzine 500


# 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	425g/litre terbuthylazine and 75g/litre hexazinone in the form of a suspension concentrate
CHEMICAL FAMILY	Triazine/Triazinone
USE	Herbicide

### 2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Eye irritant Category 2 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms	
HSNO CLASSIFICATIONS	6.4A, 6.9B, 9.1A, 9.2A	
SIGNAL WORD	WARNING	
PICTOGRAMS		
HAZARD STATEMENTS	H319	Causes serious eye irritation.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H400	Very toxic to aquatic life (acute).
	H410	Very toxic to aquatic life with long lasting effects (chronic).
	H421	Very toxic to the soil environment.
PREVENTION STATEMENTS	P102	Keep out of reach of children.
	P103	Read label before use.
	P260	Do not breathe mist/vapour/spray.
	P264	Wash face and hands thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
RESPONSE STATEMENTS	P101	If medical advice is needed, have product container or label at hand.
	P314	Get medical advice/attention if you feel unwell.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337 + P313	If eye irritation persists: Get medical advice/attention.
	P391	Collect spillage.

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### 2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS	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/v
Terbutylazine	5915-41-3	42.5%
Hexazinone	51235-04-2	7.5%
Oxirane, methyl-, polymer with oxirane, monobutyl ether	9038-95-3	<10%
Preservative	5596-84-9	0.1%
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 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. Use extinguishing media suitable for surrounding environment. 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 (attapulgitite or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. 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, well-ventilated area away from foodstuffs, fertilisers or seeds. Ensure the product remains below 30°C by storing in a cool area, avoiding direct sunlight and other sources of heat. 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 AGPRO Valzine 500 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) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
VENTILATION	Avoid inhalation. Use in well ventilated area.
HYGIENE PRECAUTION	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	White to beige viscous liquid.
ODOUR	Not Available.
ODOUR THRESHOLD	Not Available.
pH (neat)	6.0 – 8.0
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	1.11 g/ml @ 25°C (typical)
SOLUBILITY	Suspension Concentrate. Solubility in water - Terbutylazine, 8.5 mg/L, Hexazinone 3.3 g/L@20°C
OCTANOL / WATER PARTITION COEFFICIENT	Not Available.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.
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.

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### 12. ECOLOGICAL INFORMATION

	Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application.
	DO NOT USE ON PASTURE OR CROPLAND.
ECOTOXICITY INFORMATION	<p>Terbuthylazine LC50 (96hr, Rainbow Trout) 3.4 mg/L          LC50 (96hr, Mysidopsis bahia) 0.109 mg/L          Algae EC50 (5day, Selenastrum capricornutum) 3.2 ppb (0.0032 mg/L)</p> <p>Hexazinone LC50 (96hr, Grass Shrimp) 78 mg/L          EC50 (5day, Selenastrum capricornutum) 7.0 ppb (0.007 mg/L)</p>
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, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a suitable sealable, labelled container and safely dispose of at an approved landfill. For large amounts 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.

### 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., (contains terbuthylazine 42.5% and hexazinone 7.5%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains terbuthylazine 42.5% and hexazinone 7.5%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains terbuthylazine 42.5% and hexazinone 7.5%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant	-	Marine Pollutant	-

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### 14. TRANSPORT INFORMATION

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	HSR000492
RECORDS OF APPLICATION	See the EPA website for approval controls <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> 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 of each application of the substance.

### 16. OTHER INFORMATION

SDS ISSUE DATE	27 October 2022
SDS REVIEW DATE	October 2027
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals Database
<b>ABBREVIATIONS</b>	
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

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