

SAFETY DATA SHEET

AGPRO Pasture Pro



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	625 g/L 2,4-D as the dimethylamine and the diethanolamine salts in the form of a soluble concentrate
USE	Selective Herbicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Acute oral toxicity Category 3, Serious eye damage Category 1, Specific target organ toxicity repeated exposure Category 1, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates.	
SIGNAL WORD	DANGER	
PICTOGRAMS		
HAZARD STATEMENTS	H301	Toxic if swallowed.
	H318	Causes serious eye damage.
	H372	Causes damage to organs through prolonged or repeated exposure.
	H411	Toxic to aquatic life with long lasting effects.
	H421	Very toxic to the soil environment.
	H432	Toxic to terrestrial vertebrates.
PREVENTION STATEMENTS	P102	Keep out of reach of children.
	P103	Read label before use
	P260	Do not breathe mist/vapours/spray.
	P264	Wash face and hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.

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2. HAZARDS IDENTIFICATION

RESPONSE STATEMENTS	P273	Avoid unintended release to the environment.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTRE or doctor/physician.
	P314	Get medical advice/attention if you feel unwell.
	P330	Rinse mouth.
	P391	Collect spillage.
	P101	If medical advice is needed, have product container or label on hand.
	P363	Wash contaminated clothing before reuse.
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/v
2,4-D present as dimethylamine and diethanolamine salt	2008-39-1 / 5742-19-8	62.5%w/v (625g/L)
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	Get immediate medical attention. Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
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	Immediately call a POISON CENTRE or a doctor. Do NOT induce vomiting. Rinse mouth.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Hand and eye wash facilities and safety shower should be available.

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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 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	2Z

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	<p>Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover/absorb with inert, non-combustible absorbent material (attapulgit or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area and absorb with further inert material.</p> <p>Dispose of safely at an approved landfill.</p> <p>See Section 13 for details on disposal.</p>

7. HANDLING AND STORAGE

RESTRICTED TO WORKPLACES ONLY	AGPRO Pasture Pro must only be supplied to a workplace under the management and control of a PCBU who have provided written confirmation that there is someone at the workplace who has a relevant qualification as listed in Schedule 10 of the Hazardous Property Controls Notice.
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. 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	<p>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 the current version of the NZ Standard for the Management of Agrichemicals (NZS 8409). Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 litres or more of AGPRO Pasture Pro require secondary containment and an emergency response plan.</p> <p>Stores containing 1000 litres or more of AGPRO Pasture Pro require signage and a location compliance certificate.</p>

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS	A NZ Workplace Exposure Standard - TWA 10mg/m ³ – has been established for 2,4-D Acid [CAS: 94-75-7].
EYE PROTECTION	Wear splash proof goggles.
RESPIRATORY PROTECTION	Wear respiratory protection (organic vapour cartridge(s) in combination with a P2 particulate filter when mixing/applying or there is risk of inhalation.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/STATE/ COLOUR	Clear reddish brown liquid
ODOUR	Ammoniacal odour
ODOUR THRESHOLD	Not Available
pH	8 - 10
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	1.25 +/- 0.01 g/ml @ 25°C
SOLUBILITY	Completely soluble in water
OCTANOL/WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

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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	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	Toxic if swallowed. 2,4-D Dimethylamine LD50 (rat) 625 mg/kg
DERMAL TOXICITY	2,4-D Dimethylamine LD50 (rabbit) 2115 mg/kg
INHALATION TOXICITY	2,4-D Dimethylamine LC50 1.8 – 10.7 mg/kg
EYE CORROSION/IRRITANCY	Causes serious eye damage
SKIN CORROSION/IRRITANCY	No information
CHRONIC EFFECTS	
CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	Causes damage to organs through prolonged or repeated exposure.
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to aquatic life with long lasting effects. Very toxic to the soil environment. Toxic to terrestrial vertebrates.
PRECAUTIONS	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. This product must not be applied directly into or on water. Selective herbicide – very toxic to some plant species. Avoid contamination of any water supply with product or empty container. Beware: Spray drift hazard. Apply this product carefully. Spray drift 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 application area. Ensure compliance with relevant regional air management plans.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY INFORMATION

2,4-D Dimethylamine LC50 (Rainbow trout, 96hr) 100 mg/L
NOEC (Fathead minnow, 28d) 17.1 mg/L
EC50 (Daphnia magna, 48hr) 3.40 – 4.90 mg/L
NOEC (Daphnia magna, 21d) 27.5 mg/L
NOEC (Duckweed, 14d) 0.27 mg/L

BIOACCUMULATIVE

No

READILY DEGRADABLE

Not biodegradable in water.

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.

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	2902	2902	2902
Proper Shipping Name	PESTICIDE LIQUID, N.O.S., (contains 2,4-D 62.5%)	PESTICIDE LIQUID, N.O.S., (contains 2,4-D 62.5%)	PESTICIDE LIQUID, N.O.S., (contains 2,4-D 62.5%)
Transport Hazard Class	6.1	6.1	6.1
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	2Z	2Z	-
Marine Pollutant Status		Marine Pollutant	

Do not carry this product on a passenger services vehicle.

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15. REGULATORY INFORMATION

ACVM REGISTRATION	Registered pursuant to the ACVM Act 1997, No. P010227 See MPI website for registration conditions www.foodsafety.govt.nz
HAZARDOUS SUBSTANCE APPROVAL CODE	Approved pursuant to the HSNO Act 1996, Approval Code HSR000367 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	None allocated.

16. OTHER INFORMATION

SDS ISSUE DATE	05 May 2024
SDS REVIEW DATE	May 2030
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 product's properties.

End of Safety Data Sheet