


AGPRO 2,4-D Amine 800 WSG

1. SUBSTANCE IDENTIFICATION

SUPPLIER NAME	AGPRO NZ Limited
SUPPLIER ADDRESS	10 Polaris Place, East Tamaki, Auckland
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	800 g/kg 2,4-D as the dimethylamine salt in the form of a water soluble granule.
CHEMICAL FAMILY	Phenoxy-carboxylic acid
USE	Herbicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Acute oral toxicity Category 4 Acute inhalation toxicity Category 4 Skin sensitisation Category 1 Eye irritation Category 2 Specific target organ toxicity (repeated exposure) Category 1 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms Hazardous to terrestrial vertebrates
SIGNAL WORD	DANGER
PICTOGRAMS	
HAZARD STATEMENTS	H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H372 Causes 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. H432 Toxic to terrestrial vertebrates.

AGPRO 2,4-D Amine 800 WSG

2. HAZARDS IDENTIFICATION

PREVENTION STATEMENTS	P102	Keep out of reach of children.
	P103	Read carefully and follow all instructions.
	P260	Do not breathe dust/vapours/spray.
	P264	Wash face and hands thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	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 on hand.
	P301 + P312	IF SWALLOWED: Call the POISON CENTRE or a doctor/physician if you feel unwell.
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
	P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
	P305 + P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call the POISON CENTRE or a doctor/physician if you feel unwell.
	P314	Get medical advice/attention if you feel unwell.
	P330	Rinse mouth.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P337 + P313	If eye irritation persists: Get medical advice/attention.
	P362 + P364	Take off contaminated clothing and wash before re-use.
	P391	Collect spillage.
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/w
2,4-D dimethylamine salt	2008-39-1	97%w/w
Non-hazardous ingredients	Proprietary	Balance to 100%

AGPRO 2,4-D Amine 800 WSG**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 wash skin and hair with plenty of soap and water. If skin irritation or rash 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 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	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	2X

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.
SPIILLS AND DISPOSAL	Sweep up solid spills without generating dust and place in a sealable and labelled waste container. Wash area with and absorb with inert material such as attapulgate, soil, etc., and place in the waste container. Contain liquid spills and absorb with inert material. Dispose of safely at an approved landfill. See Section 13 for details on disposal.

AGPRO 2,4-D Amine 800 WSG

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 of dust or vapours. 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 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 2,4-D Amine 800 WSG require signage and an emergency response plan.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS	A NZ Workplace Exposure Standard (WES) TWA 10 mg/m ³ has been established for 2,4-D Acid [CAS: 94-75-7].
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator with a P2 particulate filter for solids.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, overalls, 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. Contaminated clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/STATE/ COLOUR	Yellow cylinder
ODOUR	Not Available
ODOUR THRESHOLD	Not Available
pH (1% solution)	4.0 – 6.0 (typical)
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	0.68 g/ml @ 25°C (typical)
SOLUBILITY	Soluble in water

AGPRO 2,4-D Amine 800 WSG

9. PHYSICAL AND CHEMICAL PROPERTIES

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	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	Harmful if swallowed. 2,4-D dimethylamine salt LD50 (rat) 625 mg/kg	
DERMAL TOXICITY	2,4-D dimethylamine salt LD50 (rabbit) 2115 mg/kg	
INHALATION TOXICITY	Harmful if inhaled. 2,4-D dimethylamine salt LC50 1.8 – 10.7 mg/L	
EYE CORROSION/IRRITANCY	Causes serious eye irritation	
SKIN CORROSION/IRRITANCY	No information	
CHRONIC EFFECTS		
SENSITISATION	May cause an allergic skin reaction.	
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 and repeated exposure	
NARCOTIC EFFECTS	No information	

AGPRO 2,4-D Amine 800 WSG

12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms and 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 onto water. Avoid contamination of any waterways with product or empty container. Selective Herbicide - 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. To minimise the risk of damage from spray drift, especially where susceptible vegetation is within 500 metres, use low drift-nozzles (no finer than coarse BCPC or ASABE S572 for aerial application, and no finer than medium BCPC or ASABE S572 for boom application) which minimises the production of small droplets. Maximum application rate of 3.65 kg/ha AGPRO 2,4-D Amine 800 WSG with one application per season. Equivalent to 2.9247 kg a.i./ha.
ECOTOXICITY INFORMATION	2,4-D amine salt LC50 (96hr, Rainbow trout) 100 mg/L EC50 (48hr, water flea) 4 mg/L NOEC (28day, Fathead minnow) 17.1 mg/L NOEC (21day, water flea) 27.5 mg/L
BIOACCUMMULATIVE	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 product only by using according to the label directions or if this is not possible contact your supplier for advice.
CONTAINER DISPOSAL	Dispose of empty packaging at an approved landfill. Do not burn. Do not use packaging for any other purpose.

AGPRO 2,4-D Amine 800 WSG

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 2,4-D 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (contains 2,4-D 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains 2,4-D 80%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	2X	2X	-
Marine Pollutant Status		Marine Pollutant	

This product must not be transported on a passenger service vehicle.

15. REGULATORY INFORMATION

ACVM REGISTRATION	Registered pursuant to the ACVM Act 1997, No. P008604. See MPI website for registration conditions www.foodsafety.govt.nz
HAZARDOUS SUBSTANCE APPROVAL CODE	Approved pursuant to the HSNO Act 1996, Approval Code HSR100573 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 of each application of the substance.
ADDITIONAL HSNO CONTROLS	Maximum application rate of 3.66 kg/ha AGPRO 2,4-D Amine 800 WSG with one application per season. Equivalent to 2.9247 kg a.i./ha. Aerial Application: No finer than coarse droplets (BCPC or ASABE S572). Boom Application: No finer than medium droplets (BCPC or ASABE S572).

AGPRO 2,4-D Amine 800 WSG**16. OTHER INFORMATION**

SDS ISSUE DATE	27 June 2024
SDS REVIEW DATE	June 2029
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 University of Hertfordshire: Pesticide Properties Database.
ABBREVIATIONS	
ACVM	Agricultural Compounds and Veterinary Medicines
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
EPA	Environmental Protection Agency (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