


AGPRO Glyphosate Dry 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	800g/kg glyphosate as the ammonium salt in the form of a water soluble granule.
CHEMICAL FAMILY	Glycine
USE	Herbicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Eye irritation Category 2 Hazardous to the aquatic environment chronic Category 2
HSNO CLASSIFICATIONS	6.4A, 9.1B
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. 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 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. P363 Wash contaminated clothing before reuse. P391 Collect spillage.
STORAGE STATEMENTS	See Section 7.

AGPRO Glyphosate Dry 800 WSG

2. HAZARDS IDENTIFICATION

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
Glyphosate ammonium	40465-66-5	800 g/kg
Alkyl dimethyl betaine	Proprietary	<100 g/kg (10%)
Non-hazardous ingredients	Proprietary	Balance to 1,000 g/kg

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. Call the Poisons 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	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	If in granules, sweep up causing as little dust as possible and place in a waste container. Wash area with water and absorb with inert material such as attapulgate, soil, etc., and

AGPRO Glyphosate Dry 800 WSG

6. ACCIDENTAL RELEASE MEASURES

place in a sealed and labelled waste container. Absorb liquid spills with inert material such as attapulgite, soil, etc., and place in a sealable and labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill. 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. 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 if it is applied into or onto water (otherwise not required).

This product should only be mixed, contained in or sprayed by equipment made from stainless steel, fibreglass, plastic, aluminium, brass or copper. A highly flammable gas may be formed from the contact of this product with galvanised or unlined steel.

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 1000 kg or more of AGPRO Glyphosate 800 WSG require 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 Type P2 dust mask or appropriate 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.

AGPRO Glyphosate Dry 800 WSG**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE / STATE/ COLOUR	Pale yellow granule
ODOUR	Not Available
ODOUR THRESHOLD	Not Available
pH (1% aqueous dilution)	3.0 – 6.0
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	0.85 g/mL @ 20°C (typical)
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

CONDITIONS TO AVOID	Stable under normal conditions.
MATERIALS TO AVOID	Galvanised or unlined steel containers. Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	LD50 > 2000 mg/kg for glyphosate
DERMAL TOXICITY	LD50 > 5000 mg/kg for glyphosate
INHALATION TOXICITY	LC50 > 5 mg/kg
EYE CORROSION / IRRITANCY	Causes serious eye irritation
SKIN CORROSION / IRRITANCY	No information

AGPRO Glyphosate Dry 800 WSG**11. TOXICOLOGICAL INFORMATION****CHRONIC EFFECTS**

CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	May be fatal if swallowed and enters airways
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Toxic to aquatic life with long lasting effects.
PRECAUTIONS	<p>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 if it is to be applied into or onto water (otherwise not required).</p> <p>Avoid unintentional contamination of any waterways with product or empty container.</p> <p>Non-selective Herbicide - very toxic to some plant species.</p> <p>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.</p>
ECOTOXICITY INFORMATION	<p>Glyphosate LC50 (96hr, Bluegill sunfish) 45 mg/L</p> <p>NOEC (21day, Salmo gairdnerii) 52 mg/L</p> <p>EC50 (48hr, Water flea) 134 mg/L</p> <p>EC50 (96hr, Skeletonema costatum) 1.2 mg/L</p> <p>EC50 (7day, Skeletonema costatum) 0.77mg/L</p>
BIOACCUMMULATIVE	No
BIODEGRADABLE	Not biodegradable in water. Non-persistent in soil.

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 for advice.
PACKAGING DISPOSAL	Dispose of empty packaging to an approved landfill. Do NOT burn. Do not use the packaging for any other purpose.

AGPRO Glyphosate Dry 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., (glyphosate 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (glyphosate 80%).	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (glyphosate 80%).
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	2Z	2Z	
Marine Pollutant Status		Marine Pollutant	

15. REGULATORY INFORMATION

ACVM REGISTRATION

P008708.
See MPI website for registration conditions www.foodsafety.govt.nz

HAZARDOUS SUBSTANCE APPROVAL CODE

HSR100815.
See the EPA website for approval controls www.epa.govt.nz

AGPRO Glyphosate Dry 800 WSG**16. OTHER INFORMATION**

SDS ISSUE DATE	18 January 2024
SDS REVIEW DATE	January 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
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