



SAFETY DATA SHEET

AGPRO NZ Limited
PO Box 58-963,
Greenmount, AUCKLAND
Ph: 09 273 3456 Fax: 09 273 3457
Website: www.agpro.co.nz
This SDS consists of 16 sections.

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Effective Date: 10/02/10

AGPRO Glufosinate 200

1. SUBSTANCE IDENTIFICATION:

AGPRO Glufosinate 200

SUPPLIER NAME:	AGPRO NZ Limited		
SUPPLIER CODE:	None		
SUPPLIER ADDRESS:	10 Polaris Place, East Tamaki, Auckland.		
SUPPLIER PHONE:	09 273 3456	SUPPLIER FAX:	09 273 3457
EMERGENCY PHONE:	0800 POISON		
CHEMICAL FAMILY:	Glufosinate	USE:	Non-selective contact herbicide

2. HAZARDS IDENTIFICATION:

Hazard Classes: 3.1D, 6.1E, 6.4A, 6.8B, 6.9A, 9.1C, 9.2B, 9.3C
Refer to Section 15 for ERMA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
Glufosinate-ammonium	77182-82-2	200g/L
1-Methoxy-2-propanol	107-98-2	<110g/L
Other Non-hazard		up to 100%

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation occurs.
SKIN CONTACT: Wash with plenty of soap and flowing water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.
INHALATION: If ill-effects occur, move the victim to fresh air. If ill-effects persist, consult a doctor.
INGESTION: Do not induce vomiting. Wash out mouth with water. Call a doctor immediately.
NOTES TO DOCTOR: No specific antidote.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: Not determined.
FLAMMABLE LIMITS: Not determined.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS: Include oxides of carbon and nitrogen.
SPECIAL FIRE FIGHTING METHODS: Addition of water may cause excessive foaming. Vapours may be toxic. Self contained breathing apparatus required. Do not allow contaminated runoff to enter drains.
UNUSUAL FIRE OR EXPLOSION HAZARDS: None.

6. ACCIDENTAL RELEASE MEASURES:

Use appropriate protective equipment. Clear area of unnecessary personnel. Spills may be slippery and should be cleaned up immediately. Large spill: Dike and pump as much as possible to a salvage container. Absorb the remaining liquid and any small spills with clay granules, sand or other absorbent material and sweep to a waste container. Cover the spill area with water and absorb. Minimise runoff into waterways or drains.

7. HANDLING AND STORAGE:

Do not mix or store in galvanised or unlined steel. Store in original container, tightly closed, away from foodstuffs, seeds, fertilisers and pesticides. Keep out of reach of children. Wash protective clothing daily after work.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EXPOSURE LIMITS: Not established by OSHA.
EYE PROTECTION: Where eye contact is likely, use chemical splash goggles.
RESPIRATORY PROTECTION: Air respirator with organic vapour canister or self contained breathing apparatus when exposed to vapours from heated material.
PROTECTIVE CLOTHING: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear.
VENTILATION: General (mechanical) room ventilation is considered satisfactory.
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 before breaks and after work. The use of a skin barrier cream is useful to give additional skin protection.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: Blue Liquid.
BOILING POINT: >90 °C. pH: 6.6 at 1%
DENSITY: 1.103 g/mL @ 20 °C. SETTING POINT: Not Available.
DECOMPOSITION TEMP: Not Available. AUTOIGNITION TEMP: 440 °C.
FLASHPOINT: 65 °C. VAPOUR DENSITY: Not Available.
EXPLOSION PROPERTIES: Not Applicable. VAPOUR PRESSURE: Not Available.
SOLUBILITY: Soluble.
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Log Pow: -4.01 measured at pH7.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: Avoid sources of ignition and extreme heat.
MATERIALS TO AVOID: Avoid contact with strong oxidising agents, acids or bases. Ammonia may be evolved in the presence of alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia. In a fire, oxides of carbon, nitrogen, phosphorus and sulphur may be emitted..

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 (rats) 1910 mg/kg.
ACUTE DERMAL: LC50 (rabbit) inhalation 1380 mg/Kg.
ACUTE INHALATION: LC50 (rats) 322 mg/L for 4 hour aerosol exposure.
OTHER TOXICITY INFORMATION: Warning - May cause skin irritation, avoid skin contact.
Warning - May cause eye irritation, avoid contact with eyes.

12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY: LC50 (rainbow trout) 34 mg/L.
SOIL TOXICITY: Unknown.
TERRESTRIAL VERTEBRATES - BIRDS: Unknown.
TERRESTRIAL INVERTEBRATES - BEES: Unknown.

13. DISPOSAL CONSIDERATIONS:

Triple rinse container and add residue to spray tank. Burn the container if circumstances, especially wind direction permit. Otherwise bury in a landfill. Avoid contamination of any water supply with chemical or empty container. Do not use the container for any other purpose.



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14. TRANSPORT INFORMATION:

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(GLUFOSINATE 200G/L)
DG CLASS: 9
UN NUMBER: 3082
HAZCHEM: 2X
PACK GROUP: III

15. REGULATORY INFORMATION:

APPROVED HANDLER: This product must be under the control of an approved handler during use.
See the ERMA Website for more details: www.ermanz.govt.nz
ERMA Approval Code: HSR007665.
ACVM Pesticide Number: P007681.

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.