



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.

Page 1
Effective Date: 01/10/05

AGPRO Liberate

1. SUBSTANCE IDENTIFICATION:

AGPRO Liberate

SUPPLIER NAME: AGPRO NZ Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland.
SUPPLIER PHONE: 09 273 3456
EMERGENCY PHONE: 0800 POISON
CHEMICAL FAMILY:
SUPPLIER FAX: 09 273 3457
USE: For selective weed control in forestry.

2. HAZARDS IDENTIFICATION:

Hazard Classes: 6.1E, 6.9B, 9.1A, 9.2A
Refer to Section 15 for ERMA Requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION
Terbutylazine, butylamino-2-chloro-6-ethylamino-s-triazine	5915-41-3	500g/L
Haloxypop-methyl, Methyl 2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanate.	69806-40-2	17g/L
Wetting Agent, Dispersing Agent, Thickening Agent, Antifoam, Biocide.		<200g/L
Water		up to 100%

4. FIRST - AID MEASURES:

EYE CONTACT: Immediately flush with flowing water for at least 15 minutes. Seek medical attention.
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. Seek medical advice.
NOTES TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES:

FLASHPOINT: None
FLAMMABLE LIMITS: None.
EXTINGUISHING MEDIA: Dry chemical, water spray (fog), foam or carbon dioxide.
THERMAL DECOMPOSITION PRODUCTS:
SPECIAL FIRE FIGHTING METHODS: 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:

Store in original container, tightly closed, away from foodstuffs in a cool, well-ventilated place. 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: Use chemical splash goggles.
RESPIRATORY PROTECTION: No special protection needed.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE / STATE / ODOUR: White to beige viscous liquid
BOILING POINT: Not Available
DENSITY: 1.12g/mL @ 25°C
DECOMPOSITION TEMP: Not Available.
FLASHPOINT: Not Applicable.
EXPLOSION PROPERTIES: Not Applicable.
SOLUBILITY: Soluble Suspension Concentrate.
(Terbutylazine 8.5 mg/L @20°C,
Haloxypop-methyl 43 mg/L @ 20°C)
OTHER DATA:
OCTANOL / WATER PARTITION COEFFICIENT: Not Available.
pH: Not Applicable.
SETTING POINT: Not Available.
AUTOIGNITION TEMP: Not Applicable.
VAPOUR DENSITY: Not Available.
VAPOUR PRESSURE: Not Available.

10. STABILITY AND REACTIVITY:

CONDITIONS TO AVOID: None.
MATERIALS TO AVOID: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.

11. TOXICOLOGICAL INFORMATION:

ACUTE ORAL: LD50 (rats) >3450 mg/kg.
ACUTE DERMAL:
ACUTE INHALATION:
OTHER TOXICITY INFORMATION: Warning - May cause skin irritation, avoid skin contact.
Warning - May cause eye irritation, avoid contact with eyes.
Acute
Swallowed: Single dose oral toxicity is slightly toxic. Rat LD₅₀ > 3450mg/kg.
Eye: Minimally irritating.
Skin: No more than slightly irritating.
Inhaled: No more than slightly toxic.
Chronic
Animal tests indicate that there is no evidence of mutagenic potential or reproductive Hazard potential. Carcinogenic potential: Increased incidence of mammary carcinomas (female rat).

12. ECOLOGICAL INFORMATION:

AQUATIC TOXICITY: Slightly toxic to aquatic invertebrates.
Agpro Liberate has been shown to be slightly toxic to aquatic invertebrates. Do not contaminate streams, rivers or waterways with the chemical or the used container.

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: None
DG CLASS: None
UN NUMBER: None
HAZCHEM: 2XE
PACK GROUP: None

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: HSR000378.
ACVM Pesticide Number: P005325.

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.