


AGPRO FORESTRY Cloralid 300

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	300g/litre clopyralid as the triisopropanolamine salt in the form of a soluble concentrate
CHEMICAL FAMILY	Pyridine carboxylate
USE	Herbicide

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Hazardous to the aquatic environment chronic Category 2 Hazardous to soil organisms. Hazardous to terrestrial vertebrates.
HSNO CLASSIFICATIONS	9.1B, 9.2A, 9.3C
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H411 Toxic to aquatic life with long lasting effects H421 Very toxic to the soil environment H433 Harmful to terrestrial vertebrates
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read label before use. P264 Wash face and hands thoroughly after handling P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label to hand P363 Wash contaminated clothing before reuse. P391 Collect spillage
STORAGE STATEMENTS	See Section 7.
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 g/L
Clopyralid (as triisopropanolamine salt)	57754-85-6	300g/L (30%w/v)
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	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. Wash contaminated clothing before reuse.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Call doctor if you feel unwell. Apply artificial respiration if not breathing.
INGESTION	Do NOT induce vomiting. 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	Alcohol resistant foam is preferred firefighting medium but if it is not available, standard foam can be used.
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	3Z

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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	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover/absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. 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 the qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.
RESTRICTED TO WORKPLACES ONLY	AGPRO FORESTRY Cloralid 300 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.
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 litres or more of AGPRO FORESTRY Cloralid 300 require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	None allocated
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	Respiratory protection is not required if good ventilation is maintained.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
VENTILATION	Avoid inhalation. Use in well-ventilated area.
HYGIENE PRECAUTION	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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ COLOUR	Clear amber liquid
ODOUR	Not Available
ODOUR THRESHOLD	Not Available
pH (neat)	6.0-8.0
MELTING POINT/FREEZING POINT	Not Available
INITIAL BOILING POINT/BOILING RANGE	Not Available
FLASHPOINT	Not Available
FLAMMABILITY	Non-flammable
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	1.16g/ml @ 20°C (typical)
SOLUBILITY	Miscible in water
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	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicological data is available for the finished product.
ORAL TOXICITY	Clopyralid LD50 (rat) >5000 mg/kg
DERMAL TOXICITY	No information
INHALATION TOXICITY	No information
EYE CORROSION/IRRITANCY	No information
SKIN CORROSION/IRRITANCY	No information

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11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS

CARCINOGENICITY	No information
REPRODUCTIVE TOXICITY	No information
GERM CELL MUTAGENICITY	No information
ASPIRATION	No information
STOT/SE	No information
STOT/RE	No information
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Harmful to aquatic life with long-lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates
PRECAUTIONS	Selective herbicide – very toxic to some plant species. This product must not be applied into or on water. Avoid contamination of any water supply with product or empty container. Avoid spray drift. Spray drift may cause serious damage to 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. Do not use for treating turf that will be mown and the clippings used for making compost; or made available for collection for, or deposited at, a municipal green waste recycling depot. Do not use on food or animal feed crops, or applied to areas that may be grazed by food producing animals.
ECOTOXICITY INFORMATION	Clopyralid amine salt EC50 (Selenastrum capricornutum, 96hr) 6.9mg/L
BIOACCUMMULATIVE	No
READILY DEGRADABLE	No

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.

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14. TRANSPORT INFORMATION

CLASSIFIED AS DANGEROUS GOODS 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	3082	3082	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (clopyralid 30%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (clopyralid 30%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (clopyralid 30%)
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant Status		Marine Pollutant	

15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR000761 See the EPA website for approval controls www.epa.govt.nz
RECORDS OF APPLICATION	If 3kg 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.
ADDITIONAL HSNO CONTROLS	AGPRO FORESTRY Cloralid 300 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. Do not use for treating turf that will be mown and the clippings used for making compost; or made available for collection for, or deposited at, a municipal green waste recycling depot.

AGPRO FORESTRY Cloralid 300**16. OTHER INFORMATION**

SDS ISSUE DATE	31 October 2023
SDS REVIEW DATE	October 2028
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (April 2022) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals Database
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