

SAFETY DATA SHEET

AGPRO Cloram


AGPRO

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	150g/litre picloram and 225g/litre clopyralid both as the monoethanolamine 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	Eye irritation Category 2 Hazardous to the aquatic environment chronic Category 3 Hazardous to soil organisms. Hazardous to terrestrial vertebrates.
HSNO CLASSIFICATIONS	6.4A, 9.1C, 9.2A, 9.3C
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H319 Causes serious eye irritation. H412 Harmful 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 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.
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 monoethanolamine salt)	57754-85-6	225 g/L
Picloram (as monoethanolamine salt)	1918-02-1	150 g/L
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.
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	Use extinguishing media suitable for surrounding environment. 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	Not applicable.

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 (attapulgit 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.

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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.
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 Cloram require secondary containment, 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 required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ COLOUR	Clear brown 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	1.0 g/ml @ 25°C (typical)
SOLUBILITY	Miscible in water
OCTANOL / WATER PARTITION COEFFICIENT	Not Available.
AUTOIGNITION TEMP	Not Applicable.
DECOMPOSITION TEMPERATURE	Not Available.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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	Picloram LD50 (mouse) 1061mg/kg Clopyralid LD50 (rat) 686 mg/kg
DERMAL TOXICITY	No information.
INHALATION TOXICITY	Clopyralid LC50 (rat) >165mg/m ³ .
EYE CORROSION/IRRITANCY	Causes serious eye irritation.
SKIN CORROSION/IRRITANCY	No 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	QUALIFIED CONTRACTOR/PERSON AGPRO Cloram must only be supplied to a workplace under the management and control of a PCBU, and written notification is required that the workplace has a suitably qualified contractor/person. Selective herbicide – very toxic to some plant species. This product must not be applied into or on water. Do not use on the bottom of drains, ditches or irrigation channels. Avoid contamination of any water supply with product or empty container.

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12. ECOLOGICAL INFORMATION

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.
NOT TO BE USED ON PASTURE, TURF OR CROPLAND AREAS.
TREATED VEGETATION SHALL NOT BE DISPOSED OF AT ANY GREEN WASTE RECYCLING CENTRE.

ECOTOXICITY INFORMATION

Picloram LC50 (lake trout, 96hr) 1.55 mg/L
NOEL (rainbow trout, 26 day) 0.55 mg/L
EC50 (Daphnia magna water flea, 48hr) 50.7 mg/L
EC50 (Selenastrum capricornutum, 96hr) 36.79 mg/L
EC50 (Selenastrum capricornutum, 2-3 weeks) 44.8 mg/L

BIOACCUMMULATIVE

Clopyralid amine salt EC50 (Selenastrum capricornutum, 96hr) 6.9mg/L
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, for small amounts, absorb with inert, non-combustible absorbent material (attapulgite or similar). Collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts 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.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, NZS 5433:2020, IMDG OR IATA.

15. REGULATORY INFORMATION

ACVM REGISTRATION

Exempt from registration under the ACVM Act 1997.

HAZARDOUS SUBSTANCE APPROVAL CODE

HSR000762
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.

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15. REGULATORY INFORMATION

ADDITIONAL HSNO CONTROL

QUALIFIED CONTRACTOR/PERSON

AGPRO Cloram must only be supplied to a workplace under the management and control of a PCBU, and written notification is required that the workplace has a suitably qualified contractor/person.

16. OTHER INFORMATION

SDS ISSUE DATE

13 June 2022

SDS REVIEW DATE

June 2027

REFERENCES

Supplier SDS

NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020)

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/m³

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 products properties.

End of Safety Data Sheet