


AGPRO Picloram 200

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	200g/L picloram as an amine salt in the form of a solution 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 Skin sensitisation Category 1 Hazardous to soil organisms Hazardous to the aquatic environment chronic Category 3
HSNO CLASSIFICATIONS	6.4A, 6.5B, 9.1C, 9.2A
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. H421 Very toxic to the soil environment.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P261 Avoid breathing mist/vapours/spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. 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. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash before re-use. P391 Collect spillage.

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2. HAZARDS IDENTIFICATION

STORAGE STATEMENTS	See Section 7.
DISPOSAL STATEMENTS	P501 Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION g/L
Picloram (as amine salt)	1918-02-1	200 g/L
Non-hazardous ingredients	-	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 occurs, get medical attention/advice.
SKIN (or hair) CONTACT	Remove contaminated clothing and wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/ attention. Contaminated clothing should not be allowed out of the the workplace.
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 the 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.
SPIILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgitite 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. Contaminated clothing should not be allowed out of the workplace. This product must be under the control of a suitably qualified handler during mixing, loading and use.

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 Picloram 200 require secondary containment, signage and an emergency response plan.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Picloram TWA 10 mg /m³

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 A (Organic-Vapour) 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ COLOUR

Clear pale yellow liquid.

ODOUR

Not Available.

ODOUR THRESHOLD

Not Available.

pH (neat)

7 - 9 (typical)

MELTING POINT / FREEZING POINT

Not Available

INITIAL BOILING POINT / BOILING RANGE

Not Available

FLASHPOINT

Not Available.

FLAMMABILITY

Not Available

UPPER/LOWER FLAMMABILITY LIMITS

Not Available

VAPOUR PRESSURE

Not Available.

VAPOUR DENSITY

Not Available.

RELATIVE DENSITY

1.1 g/ml @ 25°C

SOLUBILITY

Soluble in water.

OCTANOL / WATER PARTITION COEFFICIENT

Not Available.

AUTOIGNITION TEMP

Not Applicable.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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	Hazardous polymerisation will not occur. 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 (rat) 4012 mg/kg NZ CCID = LD50 (mouse) 1061 mg/kg
DERMAL TOXICITY	No information
INHALATION TOXICITY	No information
EYE CORROSION / IRRITANCY	Causes serious eye irritation
SKIN CORROSION / IRRITANCY	May cause an allergic skin reaction
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.
PRECAUTIONS	Qualified Handler: This product must be under the control of a suitably qualified handler during handling, mixing, loading or application. This product must not be applied directly into or onto water. Avoid contamination of any waterways with product or empty container. Selective Herbicide - very toxic to some plant species. 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. Do not use of pasture or cropland. Maximum application rate for AGPRO Picloram 200: 2 litres/ha (equivalent to 400 g ai/ha)
ECOTOXICITY INFORMATION	Picloram LC50 (96hr, Oncorhynchus mykiss) 8.8 mg/L Picloram LC50 (48 hr, Daphnia magna) 44.2 mg/L

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12. ECOLOGICAL INFORMATION

BIOACCUMMULATIVE	No		
READILY DEGRADABLE	No		
ENVIRONMENTAL EXPOSURE LIMITS	Environmental Exposure Limit in water	(EELwater)	29 µg/L
	Environmental Exposure Limit in soil	(EELsoil)	1 µg/kg dry weight 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, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate 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.

This product must not be transported on a passenger service vehicle.

15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE APPROVAL CODE	HSR001708 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.
ADDITIONAL HSNO CONTROLS	Maximum application rate 400g ai/ha Environmental Exposure Limit in water (EELwater) 29 µg/L Environmental Exposure Limit in soil (EELsoil) 1 µg/kg dry weight soil

16. OTHER INFORMATION

SDS ISSUE DATE	16 June 2022
SDS REVIEW DATE	June 2027

AGPRO Picloram 200**16. OTHER INFORMATION**

REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (Nov 2020) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases University of Hertfordshire: Pesticide Properties 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 products properties.

End of Safety Data Sheet