

SAFETY DATA SHEET

AGPRO Hatchet Pro


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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	120 g/L Triclopyr (present as the butoxyethyl ester) as an oil miscible liquid
USE	Wilding Conifer Control

2. HAZARDS IDENTIFICATION

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

GHS CLASSIFICATIONS	Eye irritation Category 2 Skin sensitisation Category 1 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1 Hazardous to soil organisms
SIGNAL WORD	WARNING
PICTOGRAMS	
HAZARD STATEMENTS	<p>H319 Causes serious eye irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H373 May cause damage to kidneys through prolonged or repeated oral exposure.</p> <p>H400 Very toxic to aquatic life (acute).</p> <p>H410 Very toxic to aquatic life with long lasting effects (chronic).</p> <p>H421 Very toxic to the soil environment.</p>
PREVENTION STATEMENTS	<p>P102 Keep out of reach of children.</p> <p>P103 Read label before use</p> <p>P260 Do not breathe mist/vapours/spray.</p> <p>P264 Wash face and hands thoroughly after handling.</p>

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2. HAZARDS IDENTIFICATION

RESPONSE STATEMENTS	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 unintended release to the environment.
	P280	Wear protective gloves / protective clothing / eye protection / face protection.
	P101	If medical advice is needed, have product container or label on hand.
	P302 + P352	IF ON SKIN: Wash with plenty of soap and 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.
	P314	Get medical advice/attention if you feel unwell.
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
	P337 + P313	If eye irritation persists: Get medical advice/attention.
STORAGE STATEMENTS	P362 + P364	Take off contaminated clothing and wash before re-use.
	P391	Collect spillage.
DISPOSAL STATEMENTS		See Section 7.
	P501	Dispose of contents/containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION %w/v
Triclopyr (present as the butoxyethyl ester)	64700-56-7	120 g/L (12%w/v)
Dipropylene Glycol monomethyl ether	345590-94-8	1-10%w/v
Nonionic surfactant and siloxane polyalkyleneoxide copolymer blend	Proprietary	1-10%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 advice/attention.
SKIN (or hair) CONTACT	Remove contaminated clothing. Wash skin with plenty of soap and water. If skin irritation or rash 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. Apply artificial respiration if not breathing. Call a doctor if you feel unwell.

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4. FIRST AID MEASURES

INGESTION	Do NOT induce vomiting. Call the POISON CENTRE or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Hand and 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. 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	3Z

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. Absorb liquid spills with inert material such as attapulgite, soil, etc. Wash area with water and absorb with further inert material. Place all waste material in a sealable, labelled waste container. Dispose of safely at an approved landfill. 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. This product must be under the control of a suitably qualified handler during mixing, loading or application.
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 the current version of New Zealand Standard for Management of Agrichemicals (NZS 8409). Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Stores containing 100 litres or more of AGPRO Hatchet Pro require secondary containment, signage and an emergency response plan.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS	A NZ Workplace Exposure Standard (WES) has been established for the ingredient Dipropylene glycol monomethyl ether: TWA 100ppm (606mg/m ³) and STEL 150ppm (909mg/m ³) This class of compounds may have the potential for skin absorption.
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	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 after handling before breaks and after work. Contaminated clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/STATE/ COLOUR	Yellow liquid
ODOUR	Not Available
ODOUR THRESHOLD	Not Available
PH (1% dilution)	6.0 – 8.0
MELTING POINT/FREEZING POINT	Not Available
INITIAL BOILING POINT/BOILING RANGE	Not Available
FLASHPOINT	>95°C
FLAMMABILITY	Non-flammable
UPPER/LOWER FLAMMABILITY LIMITS	Not Available
VAPOUR PRESSURE	Not Available
VAPOUR DENSITY	Not Available
RELATIVE DENSITY	0.945 g/ml @ 20°C
SOLUBILITY	Immiscible in water
OCTANOL/WATER PARTITION COEFFICIENT	Not Available
AUTOIGNITION TEMP	Not Applicable
DECOMPOSITION TEMPERATURE	Not Available.
KINEMATIC VISCOSITY	Not Available
PARTICLE CHARACTERISTICS	Not Applicable

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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	Triclopyr butoxyethyl ester LD50 803 mg/kg bw
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	May cause damage to kidneys through prolonged or repeated oral exposure
NARCOTIC EFFECTS	No information

12. ECOLOGICAL INFORMATION

TOXICITY	Very toxic 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 on water. Avoid contamination of any water supply with product or empty container. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. This product must not be: a) used on plants that are intended to produce food for consumption by humans or animals: b) and applied to areas that may be grazed by food producing animals.
ECOTOXICITY INFORMATION	Triclopyr butoxyethyl ester LC50 (Bluegill sunfish, 96hr) 0.36 mg/L LOEC (Rainbow trout, 65day) 0.048 mg/L

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12. ECOLOGICAL INFORMATION

BIOACCUMMULATIVE	No	EC50 (Water flea, 48hr) 1.7mg/L EC50 (Freshwater diatom, 24hr) 0.1 mg/L
READILY DEGRADABLE	Not biodegradable in water	

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.

14. TRANSPORT INFORMATION

Classified as a Dangerous Good 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., (triclopyr 12%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (triclopyr 12%)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (triclopyr 12%)
Transport Hazard Class	9	9	9
Subsidiary Class	-	-	-
Packing Group	III	III	III
Hazchem	3Z	3Z	-
Marine Pollutant Status		Marine Pollutant	

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

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15. REGULATORY INFORMATION

ACVM REGISTRATION	Exempt from registration under the ACVM Act 1997.
HAZARDOUS SUBSTANCE APPROVAL CODE	Approved pursuant to the HSNO Act 1996, Approval Code HSR101226 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, for three years, of each application of the substance.
ADDITIONAL HSNO CONTROLS	For ground-based applications, this substance must only be applied with hand directed equipment or a paintbrush. For aerial applications, this substance must only be applied as a directed application onto the trunk of the target tree weed with the hand directed equipment using a helicopter as a working platform. This substance must not be applied from a fixed wing aircraft.

16. OTHER INFORMATION

SDS ISSUE DATE	14 May 2024
SDS REVIEW DATE	May 2029
REFERENCES	Supplier SDS NZ Workplace Exposure Standard and Biological Exposure Indices (November 2023) NZ Chemical Classification Information Database NZ EPA Hazardous Substance Approvals and Group Standards Databases
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

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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 product's properties.

End of Safety Data Sheet