

SAFETY DATA SHEET

PICCOLO®

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identifiers

Product name: **Piccolo®**
Other Name(s): 150g/L picloram and 225g/L clopyralid both as the monoethanolamine salt in the form of a soluble concentrate.

1.2 Recommended use of the chemical and restrictions on use

Product Use: Controls certain broadleaf weeds in fodder brassicas and radiata pine.

1.3 Supplier contact details:

Company name: Grosafe Chemicals Limited
Address: 20 Jean Batten Drive Mt Maunganui, 3116
Telephone: 0800 220 002
Email: info@grosafe.co.nz

Emergency telephone number (24 hour) 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996
HSNO Approval: HSR000762

Hazard Classifications: Eye irritation Category 2, Hazardous to soil organisms; Hazardous to terrestrial vertebrates; Hazardous to the aquatic environment chronic Category 3.

2.2 Label elements:

Pictograms:



Signal Word: WARNING

Hazard statements:

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
Harmful to soil organisms.
Harmful to terrestrial vertebrates.

Precautionary statements:

Prevention

P102 Keep out of reach of children.

P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear eye protection/face protection.
<i>Response</i>	
P101	If medical advice is needed, have product container or label at hand.
P305 + P313 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention
P391	Collect spillage.
<i>Storage</i>	
-	-
<i>Disposal</i>	
P501	Dispose of contents/container in accordance with local regulations.

Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Clopyralid (as the monoethanolamine salt)	1702-17-6	225g/L
Picloram (as the monoethanolamine salt)	1918-02-1	150g/L
Other ingredients that don't contribute to hazard classifications of this product	-	Balance up to 1L

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information:

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 at hand

IF SWALLOWED: Get medical advice if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice if you feel unwell.

Medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Water fog, foam, carbon dioxide or dry chemical.

5.2 Hazards from Combustion Products

May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.

5.3 Specific hazards arising from this chemical

Considered low risk due to water content, however upon evaporation of water the product is combustible.

5.4 Protective equipment and precautions for firefighters

Isolate fire area. Evacuate downwind. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk to of exposure to vapour or smoke. Keep containers cool by spraying with water. Do not breathe or contact smoke, gases or vapours generated. Contain all runoff.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Have this SDS available. In the event of an accidental spill, wear full protective clothing including respiratory, gloves and eye/face protection. Exclude non-essential people from the area. Wash contaminated personal protective equipment and clothing, and dry before re-use.

6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, advise the local water authority.

6.3 Methods and materials for containment and cleaning up

Contain spilled material. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent. Dispose of contaminated materials to approved landfill or hazardous waste facility in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep out of reach of children. Read the product label before use. Wear protective eye protection/face protection, protective gloves and protective clothing. Wash hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage

Store in the tightly closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight. DO NOT store near feedstuffs or seed.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Occupational exposure limit values

Workplace exposure standards

Picloram

TWA	STEL	CEILING
10 mg/m ³	-	-

8.2 Biological limit values

No exposure limits allocated.

8.3 Engineering controls

Use in well-ventilated areas only. Use local exhaust at all process locations. Ventilate all transport vehicles prior to unloading. Keep containers closed when not in use. Refer to relevant regulations for further information concerning ventilation requirements.

8.4 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Eye/Face Protection: Wear protective glasses, goggles or face shield when mixing or applying product.

Skin Protection: Wear impervious gloves, coat, trousers, waterproof hat. Ensure all skin areas are covered.

Respirator: Where product is being sprayed and a mist could be produced, a respirator should be worn. It should be fitted with a cartridge suitable for agricultural chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brownish yellow to yellow transparent liquid
Odour	Not available
Odour threshold	Not available
pH	7.0-8.5
Melting/Freezing Point	Not available
Boiling Point /Range	Not available
Flash point	Not applicable
Flammability (solid, gas)	Not flammable
Upper/lower flammability or explosive limits	No data
Vapour Pressure	Not available
Vapour density	No data
Specific gravity	1.195 g/ml
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data
Particle characteristics	No data

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity and stability

Stable under normal conditions of storage in original container.

10.2 Conditions to Avoid

Active ingredient decomposes at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems. Do not store for prolonged periods in direct sunlight.

10.3 Incompatible materials

Explosives (class 1), oxidising gases, oxidising liquids, oxidising solids, organic peroxides.

10.4 Hazardous decomposition products

None.

10.5 Possibility of hazardous reactions

None under normal storage and use conditions.

10.6 Hazardous Polymerisation

Hazardous polymerisation will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product components.

11.2 Toxicological information

Acute Oral Toxicity:	Not classified. LD50 > 5000 mg/kg (rat)
Acute Dermal Toxicity:	Not classified. LD50 > 5000 mg/kg (rat)
Acute Inhalation Toxicity:	Not classified. LD50 > 5 mg/L (rat)
Skin Irritant/Corrosive:	Not classified.
Eye Irritant/Corrosive:	Irritant
Respiratory/skin sensitisation:	Not classified
Mutagenic Effects:	Not classified.
Carcinogenic Effects:	Not classified.
Reproductive Effects:	Not classified.
Specific Organ Toxicity:	Not classified.
Aspiration hazard:	Not classified.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified as Hazardous to soil organisms; Hazardous to terrestrial vertebrates; Hazardous to the aquatic environment chronic Category 3. There is no data available for formulated product.

The following data is for the active ingredient - Picloram:

Acute Oral LD50 (Chicks) 6000 mg/kg
 LC50 (96 hr) (Rainbow trout) 5.5 mg/l
 LC50 (48 hr) (Daphnia) 34.4 mg/l
 EC50 (Algae) 36.9 mg/l
 Non-toxic to bees

The following data is for the active ingredient - Clopyralid:

Acute Oral LD50 (Mallard duck) 1465 mg/kg
 LC50 (96 hr) (Rainbow trout) 103 mg/l
 LC50 (48 hr) (Daphnia) 225 mg/l
 EC50 (96 hr) (Algae) 6.9 mg/l
 Non-toxic to bees

12.2 Persistence and degradability

Biodegradable. DT50 (soil) 83 days (typical) (Picloram)
 Biodegradable. DT50 (soil) 23 days (typical) (Clopyralid)

12.3 Mobility

Soil organic carbon water partitioning coefficient
 Koc = 13 (very-mobile) (Picloram)
 Koc = 5 (very-mobile) (Clopyralid)

12.4 Bioaccumulative Potential

Octanol-water partition coefficient
 LogP = -1.92 (low) (Picloram)
 LogP = -2.63 (low) (Clopyralid)

12.5 Other adverse effects

None available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Dispose of this product only by using according to the label, or through a Chemical Recovery service or other licensed hazardous waste disposal facility.

13.2 Container Disposal

Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and dispose of at an approved landfill.

13.3 Precautions

Do not allow product or empty container to enter waterways.

13.4 Disposal methods to avoid

Do not burn empty container. Do not allow product or empty container to enter waterways.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Not classified as Dangerous Goods for the transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number:	Not applicable
UN Proper Shipping Name:	Not applicable
Transport hazard class(es)	Not applicable
Packing Group:	Not applicable
Hazchem	2X
Special Precautions for User:	Not applicable
IMDG Marine pollutant:	Not applicable
Transport in Bulk:	Not applicable

SECTION 15: REGULATORY INFORMATION

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approval number: HSR000762

Hazardous classifications: Eye irritation Category 2, Hazardous to soil organisms; Hazardous to terrestrial vertebrates; Hazardous to the aquatic environment chronic Category 3.

HSW (HS) Regulations 2017

	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Signage Trigger Quantity (Schedule 3)	1000 L
Emergency Response Plan (Schedule 5)	1000 L
Secondary Containment (Schedule 16)	1000 L
Tracking (Schedule 26)	Not required
Record keeping	If 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter 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. Refer to clause 48 (3) of the Hazardous Property Controls Notice for details of records to be kept.

Qualifications

A person may supply this substance only to a workplace under the management and control of a PCBU, and only if the person has received written notification that there is someone at the workplace who has a relevant qualification as listed in Schedule 10 of the Hazardous Property Controls Notice.

Tolerable Exposure Level (TEL)

None set

Environmental Exposure Level (EEL)

None set

International Agreements

Not applicable

Additional controls:

This substance is not to be used on turf.
Treated vegetation shall not be disposed of at any green waste recycling centre.

Additional information:

Refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

ACVM registration:

Registered pursuant to the Agricultural Compounds and Veterinary Medicines Act 1997; registration number P010164.

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued	03 September 2024
SDS supersedes	N/A
Reason issued	Initial SDS

16.2 ABBREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
Ceiling	A concentration that should not be exceeded at any time during any part of the working day.
EPA	Environmental Protection Authority
ErC₅₀	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC₅₀	Median Lethal Concentration
LD₅₀	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level

NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

16.3 REFERENCES

Manufacturer information
EPA CCID and Approved Substance databases
University of Hertfordshire Pesticides Properties Database

16.4 OTHER

Piccolo® is a registered trademark of Grosafe Chemicals Ltd

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End of Safety Data Sheet