

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

PRODUCT NAME: RALID

OTHER NAME: Soluble concentrate containing 300 g/L clopyralid as the triisopropanolamine salt

USE: Herbicide for control of thistles and certain broadleaf weeds for use on a range of crops, pasture, turf and in forestry areas.

SUPPLIER NAME: AGPRO NZ Ltd

SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland 2013  
PO Box 58-963, Botany, Auckland 2163

SUPPLIER CONTACT: 09 273 3456 or freephone 0508 536 536  
www.agpro.co.nz

POISON INFORMATION: National Poison Centre, 0800 POISON (0800 764 766) 24 hours


CHEMICAL EMERGENCY: 0800 CHEMCALL (0800 243 622) 24 hours

## 2. HAZARDS IDENTIFICATION

NEW ZEALAND: Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996

APPROVAL NUMBER: HSR100933

HAZARD CLASSIFICATIONS: Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 2.

PICTOGRAMS:


SIGNAL WORD: WARNING

HAZARD STATEMENTS: Toxic to aquatic life and with long lasting effects.  
Very toxic to soil organisms.  
Very toxic to terrestrial vertebrates.

PREVENTION: Read label before use.  
Avoid release to the environment.

RESPONSE: Collect spillage.

STORAGE: -

DISPOSAL: Dispose of unwanted product and used packaging in compliance with local regulations.

TRANSPORT: RALID is classified as Dangerous Goods Class 9 for Transport.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	% w/w
Clopyralid	1702-17-6	25- 26*
Other ingredients	Trade secret	balance

\* equivalent to 300 g/L clopyralid

#### 4. FIRST - AID MEASURES

Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice. Have product label or SDS at hand.

Ingestion	If swallowed, do NOT induce vomiting. Rinse mouth with water. Contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor for advice.
Inhalation	Remove patient to fresh air. Keep in position comfortable for breathing. If breathing is shallow or has stopped ensure airway is clear, apply resuscitation and seek medical assistance immediately.
Skin contact	Remove contaminated clothing and wash with soap and running water. If irritation or rash persists, get medical advice. Wash contaminated clothing before reuse.
Eye contact	If in eyes flush with plenty of water holding eyelids open if necessary. Remove contact lenses if present, after a few minutes, then continue flushing with water. Get medical advice if irritation persists.
Advice to Doctor	No specific antidote. Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable.
Hazardous Combustion Products:	If involved in a fire, may evolve toxic/harmful compounds including oxides of carbon.
Extinguishing Media:	Foam, water fog or spray, carbon dioxide or dry chemical as appropriate to surrounding materials.
Protective Equipment:	Full protective clothing and self-contained breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear personal protective equipment. Exclude non-essential people from the area. Contain spillage. Collect spillage in labelled containers than can be closed, for reuse or disposal. For small liquid spills absorb spillage with vermiculite, earth, sand, or synthetic absorbent substance, and place in a sealable labelled waste container. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of waste safely in an approved landfill or hazardous waste facility.
Environmental Precautions:	Prevent from entering drains, waterways or sewers. If spill does enter waterways immediately contact local authority. RALID is a herbicide and spillage on soil may damage crops.

#### 7. HANDLING AND STORAGE

Handling:	Keep out of reach of children. Read label before use. Keep container tightly closed when not in use. Use only according to label. Wear personal protective equipment. Avoid contact with skin and eyes and inhalation of vapours or spray mist. Do not apply directly into or onto water. Take all reasonable steps to ensure the product does not cause any significant adverse effects to the environment beyond the application area. Written records of use are required if more than 3 kg (3L) applied within 24 hours in a place where the product is likely to enter air or water and leave the application area. HSNO controls do not permit use in home gardens, and to not use for treating turf that will be mown and the clipping used for making compost including collection for disposal to a municipal green waste recycling depot. Qualified Handler: RALID is to be under the control of a suitably qualified handler when being mixed, loaded or applied.
Storage:	Signage, an emergency response plan and secondary containment are required when more than 1000 L is on site. Store in original container tightly closed and in a secure well-ventilated area away from foodstuffs, fertilisers and seeds. For guidance refer to the current version of NZS 8409 Management of Agrichemicals and the Health and Safety at Work (Hazardous Substances) Regulations 2017.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Worksafe NZ (12<sup>th</sup> edition, November 2020)

<i>Ingredient</i>	<i>Exposure</i>	<i>Form</i>	<i>Ceiling</i>
No ingredients listed	-	-	-

Protective Equipment: When opening the container, preparing to measure, load or when applying: wear safety goggles, waterproof gloves, cotton overalls buttoned to the neck and wrist, and boots.

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**.

Engineering Controls: Handle outdoors or in a well-ventilated area. Use local exhaust ventilation, or other engineering controls as appropriate to conditions.

Hygiene Precautions: Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing and equipment daily after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue or green liquid
Odour:	Characteristic
Odour threshold:	No information available
pH (neat)	6.0 - 8.0
Melting point/freezing point:	Not available
Initial boiling point/range:	Not available
Flashpoint:	Non-flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	ca 1.16
Solubilities:	Soluble in water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	No information available
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 at least two years.
Conditions to avoid:	No specific information available.
Incompatible substances or materials:	No specific information available.
Hazardous polymerization:	Hazardous polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity:	Not classified as acutely toxic if swallowed, in contact with skin or if inhaled.
Aspiration hazard:	Not classified.
Respiratory irritation:	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific organ toxicity:	Not classified.
Narcotic effects:	No components identified with narcotic effects.
Toxicological information:	<u>Formulated product</u> Oral, rat LD <sub>50</sub> >2000 mg/kg bw [OECD N° 423] Dermal, rat LD <sub>50</sub> >2000 mg/kg bw [OECD N° 402] Inhalation, rat LC <sub>50</sub> (4 hr) >2.714 mg/L [OECD N° 403] Skin irritation, non-irritating [OECD N° 404] Eye irritation, non-irritating [OECD N° 405] Sensitization, non-sensitizing [OECD N° 406]

**12. ECOLOGICAL INFORMATION**

Ecotoxicity:	RALID is classified as being toxic to aquatic life with long-lasting effects, very toxic to the soil environment and very toxic to terrestrial vertebrates.
Ecotoxicological information:	<u>Clopyralid (active)</u> Fish: <i>Oncorhynchus mykiss</i> LC <sub>50</sub> (96 h) >99.9 mg/L Crustacean: <i>Daphnia magna</i> EC <sub>50</sub> (48 h) >99 mg/L Algae: <i>Raphiocelis subcapitata</i> EC <sub>50</sub> (72 hr) growth 30.5 mg/L Aquatic plant: <i>Lemna gibba</i> EC <sub>50</sub> (7d) growth, 89 mg/L Bird: <i>Anas platyrhynchos</i> LD <sub>50</sub> 1465 mg/kg bw
Persistence and degradability:	Clopyralid - Laboratory studies DT <sub>50</sub> range 4.9 – 64.6 days DT <sub>90</sub> range 16.2 -214.6 days, Soils 10 days; field studies DT <sub>50</sub> range 2.0 – 13.5 days, DT <sub>90</sub> range 12.1-78.7 days. Not biodegradable.
Potential to be bioaccumulative:	Not bioaccumulative.
Mobility in soil:	High solubility and potential for ground water contamination.
Other adverse effects:	No information available.
Environmental Exposure Limits (EEL)	Not applicable

**13. DISPOSAL CONSIDERATIONS**

Product Disposal:	Dispose of product only by using according to label or dispose of at an approved landfill.
Container Disposal:	Ensure container is completely empty. Triple rinse with water and add rinsate to spray tank. Dispose of empty clean container to recycler for agricultural chemicals, otherwise crush and bury in an approved landfill. Do not use container for any other purpose.

**14. TRANSPORT INFORMATION**

UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Clopyralid 30%)
DG Class:	9
Packing Group:	III
Marine Pollutant:	Yes
HAZCHEM	3Z

**15. REGULATORY INFORMATION**

New Zealand Registered pursuant to the ACVM Act 1997, No. P8963

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval Code HSR100933

See [www.epa.govt.nz](http://www.epa.govt.nz) for Controls and [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

Qualifications Qualified Handler required.

Tracking: Not required

Safety Data Sheet: Any quantity

Restricted to workplace only: Yes

Quantity that must be secured when unattended: Not applicable

Fire extinguishers Not required

Quantity for secondary containment and emergency response plan: 1000 L

Quantity for signage: 1000 L

Quantity for Location certificate Not required

Records of use (3 kg or more applied to area within 24 hours) Required

Quantity that requires management in accordance with HSW HS Regulations Not applicable

**Additional controls**

ECOTOXIC Herbicide. Not for use in home gardens.

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.

**16. OTHER INFORMATION**

Version: 1.1

Issue Date: 15 June 2023

Reason for Issue: Supplier's contact details updated.

Replaces: Replaces version 1.0 dated February 2022

**References:**

ECHA European Chemical Agency

NZ EPA Approved Hazardous Substances Databases.

Supplier Safety Data Sheets

Worksafe NZ Workplace Exposure Standards and Biological Exposure Indices

University of Hertfordshire Pesticides Properties Database

NZS 5433:2020 New Zealand Standard Transport of Dangerous Goods on Land

**Abbreviations:**

ACVM	Agricultural Chemicals and Veterinary Medicines Group
ADI	Acceptable Daily Intakes
BCF	Bioconcentration factor
CAS Number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
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
LC <sub>50</sub>	Median Lethal Concentration
LD <sub>50</sub>	Median Lethal Dose (50% population)
SDS	Safety Data Sheet
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
TWA	Time-Weighted Average
UN Number	United Nations Number
WES-STEL	Workplace exposure standards – Short-term exposure limit
WES-TWA	Workplace exposure standards – Time-weighted average

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.