


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

PRODUCT NAME: RALID XTRA  
 OTHER NAME: Soluble granule containing 750 g/kg clopyralid as the potassium salt  
 USE: Herbicide  
 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: HSR101329  
 HAZARD CLASSIFICATIONS: Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3.  
 PICTOGRAMS:   
 SIGNAL WORD: WARNING  
 HAZARD STATEMENTS: Harmful 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 Xtra is classified as non-Dangerous Goods for Transport.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT                         | CAS No.     | % w/w   |
|-----------------------------------|-------------|---------|
| Clopyralid                        | 1702-17-6   | 75*     |
| Other ingredients (non-hazardous) | Proprietary | Balance |

\*equivalent to 900 g/kg clopyralid potassium salt (CAS No 58509-83-4)

**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 occurs, 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. 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 Xtra 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. Specific HSNO Controls apply to application methods, rates, application intervals and frequency.<br>Wear personal protective equipment. Avoid contact with skin and eyes and inhalation of vapours or spray mist.<br>Contaminated work clothing should not be allowed out of the workplace.<br>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.<br>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.<br>Qualified Handler: RALID Xtra 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 kg is on site.<br>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:                             | Off-white granule               |
| Odour:                                  | No Odour                        |
| Odour threshold:                        | No information available        |
| pH                                      | 6.8 - 8.5 (1% aqueous dilution) |
| Melting point/freezing point:           | Not available                   |
| Initial boiling point/range:            | Not available                   |
| Flashpoint:                             | Not applicable                  |
| Flammability (solid, gas):              | Non-flammable                   |
| Upper/lower flammability limits:        | Not available                   |
| Vapour pressure:                        | Clopyralid; 1.36 mPa at 25°C    |
| Vapour density:                         | Not available                   |
| Relative density:                       | Not available                   |
| 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 available                   |

## 10. STABILITY AND REACTIVITY

|                                       |  |
|---------------------------------------|--|
| Stability:                            | Stable under normal storage conditions in original container for at least two years. |
| Conditions to avoid:                  | Do not store for prolonged periods in sunlight.                                      |
| Incompatible substances or materials: | Strong bases, strong acids, strong oxidising agents.                                 |
| 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>Clopyralid (active ingredient)</u><br>Oral, rat LD <sub>50</sub> >5000 mg/kg bw<br>Dermal, rat LD <sub>50</sub> >5000 mg/kg bw<br>Inhalation, rat (nose only) LC <sub>50</sub> (4 hr) >1 mg/L |

**12. ECOLOGICAL INFORMATION**

|                                     |   |
|-------------------------------------|---|
| Ecotoxicity:                        | RALID Xtra is classified as being harmful to aquatic life with long-lasting effects, very toxic to the soil environment and harmful to terrestrial vertebrates.   |
| Ecotoxicological information:       | <u>Clopyralid (active)</u><br>Fish: <i>Oncorhynchus mykiss</i> LC <sub>50</sub> (96 h) >99.9 mg/L<br>Crustacean: <i>Daphnia magna</i> EC <sub>50</sub> (48 h) >99 mg/L<br>Algae: <i>Raphidocelis subcapitata</i> EC <sub>50</sub> (72 hr) growth 30.5 mg/L<br>Aquatic plant: <i>Lemna gibba</i> EC <sub>50</sub> (7d) growth, 89 mg/L<br>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;<br>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:            | Not classified as Dangerous Goods for the purposes of transportation. |
| Proper Shipping Name: |   |
| DG Class:             |   |
| Packing Group:        |   |
| Marine Pollutant:     |   |
| HAZCHEM               |   |

**15. REGULATORY INFORMATION**

New Zealand Registered pursuant to the ACVM Act 1997, No. P9949

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

Approved pursuant to the HSNO Act 1996, Approval Code HSR101329

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 kg

response plan:

Quantity for signage: 1000 kg

Quantity for Location certificate Not required

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

24 hours)

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

with HSW HS Regulations

**Additional controls relevant to application**

The maximum application rate for is 0.6 kg ai/ha with a maximum of four applications per calendar year with a minimum of four weeks between applications, except when used on old man's beard or in forestry. When used on old man's beard, must be applied by spot treatment at the maximum application rate of 7.5 kg ai/ha with a maximum of four applications per calendar year with a minimum of eight weeks between applications. When used in forestry, the maximum application rate three kg ai/ha with a maximum of two applications per calendar year with a minimum of six months between applications.

Buffer Zones: The person in charge of the application of this substance and any person applying this substance must ensure that the substance is not applied within a specified distance of an area containing non-target plants. (Refer to HSR101329 for additional information on buffer zones.)

Product must not be used on weeds where these will be used for making compost; or where the weeds will be made available for collection for, or deposited at, a municipal green waste recycling depot.

When applied using aerial methods, the nozzle must be set to coarse droplet quality spray, as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline. The substance must not be applied when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site.

**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 August 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.