

# SAFETY DATA SHEET

## ROUNDUP ULTRA MAX HERBICIDE

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### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Roundup Ultra MAX Herbicide
<b>Recommended Use of The Chemical and Restrictions on Use</b>	A non-residual, non-selective herbicide for weed control prior to planting crops and pasture, prior to harvesting some crops and for general weed control in horticulture, agriculture and forestry.
<b>EPA HSNO no.</b>	HSR000767
<b>Supplier Name</b>	Agritrade New Zealand
<b>Address</b>	411 Blenheim Road, Sockburn, Christchurch 8140, NZ
<b>Telephone</b>	+64 03 341 4587
<b>Facsimile</b>	+64 03 341 4584
<b>Emergency Contact (NZ)</b>	0800 734 607 (24 hours) or +64 4 473 4607 (24 hours)

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### SECTION 2: HAZARDS IDENTIFICATION

#### New Zealand Hazardous Substance Classification

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

#### **HSNO Classification**

9.1B Substance that is ecotoxic in the aquatic environment

H411 Toxic to aquatic life with long lasting effects

#### GHS Classification of the chemical

Skin Irritation - Category 2

Eye Irritation - Category 2A

Acute Aquatic Toxicity - Category 2

Chronic Aquatic Toxicity - Category 2

**SIGNAL WORD:** WARNING

#### **Hazard Statement(s):**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

#### **Precautionary Statement(s):**

#### **Prevention:**

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

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### Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P321 Specific treatment (see First Aid Measures on Safety Data Sheet).

P362 Take off contaminated clothing and wash before reuse.

### Storage:

No storage statements.

### Disposal:

No disposal statements.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Product Description:** Active ingredient is Potassium salt of glyphosate.

Components	CAS Number	Proportion	Hazard Codes
Potassium salt of glyphosate	70901-12-1	51.16%	H319 H411
Surfactant(s), water and minor formulating ingredients	-	48.84%	-

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## SECTION 4: FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

### Inhalation:

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

### Skin Contact:

If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

### Eye Contact:

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

### Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice.

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**Indication of immediate medical attention and special treatment needed:**

This product is not an inhibitor of cholinesterase. Treatment with atropine and oximes is not indicated.

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**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Hazchem or Emergency Action Code:** · 3Z

**Specific hazards arising from the chemical:**

Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning will emit toxic fumes, including those of oxides of carbon, oxides of phosphorus, oxides of nitrogen.

**Special protective equipment and precautions for fire-fighters:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Equipment should be thoroughly decontaminated after use.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Emergency procedures/Environmental precautions:**

Clear area of all unprotected personnel. Do not allow container or product to get into drains, sewers, streams or ponds. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. After cleaning, flush away any residual traces with water.

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**SECTION 7: HANDLING AND STORAGE**

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

**Precautions for safe handling:**

Avoid skin and eye contact and breathing in vapour, mists and aerosols. When using do not eat, drink or smoke. Keep out of reach of children. Wash hands thoroughly after handling. Thoroughly clean equipment after use. Launder contaminated clothing before reuse. If the product is frozen allow it to thaw.

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### Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place. Store below 60°C. Store in the original container, tightly closed and away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limit values:** No value assigned for this specific material by Worksafe NZ

**Environmental exposure limit (EEL) for glyphosate:** 0.37 mg/L

**Appropriate engineering controls:** Use in well ventilated areas. Keep containers closed when not in use.

### Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Clear liquid
Colour	Blue
Odour	Odourless
Solubility	Miscible in water
Specific gravity	1.379 @ 25°C
Relative vapour density (air=1)	Not available
Vapour pressure (20°C)	Not available
Flash point (°C)	Not available
Flammability limits (%)	Not available
Autoignition temperature (°C)	Not available
Boiling point/range (°C)	Not available
pH	4.3-4.8 (60/L)
Viscosity	Not available
Evaporation rate	Not available
Partition coefficient	Log Pow: -3.2 @ 25°C (glyphosate)

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### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Reacts with mild steel, galvanised steel / zinc producing hydrogen gas which may form explosive mixture with air.
<b>Chemical stability</b>	Stable under normal conditions of use.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Avoid exposure to direct sunlight. Avoid contact with foodstuffs.
<b>Incompatible materials</b>	Incompatible with strong alkalis.
<b>Hazardous decomposition products</b>	Oxides of carbon. Oxides of phosphorus. Oxides of nitrogen.

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### SECTION 11: TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion</b>	No adverse effects expected, however, large amounts may cause nausea and vomiting.
<b>Eye contact</b>	An eye irritant.
<b>Skin contact</b>	Contact with skin will result in irritation.
<b>Inhalation</b>	Breathing in mists or aerosols may product respiratory irritation.
<b>Acute toxicity</b>	No LD50 data available for the product. However, based on similar product(s):
<b>Oral LD50 (rat)</b>	>5000 mg/kg
<b>Dermal LD50 (rat)</b>	>4000 mg/kg
<b>Inhalation LC50 (rat)</b>	>0.95 mg/L/4h (aerosol)
<b>Skin corrosion/irritation</b>	Severe irritant (rabbit)
<b>Serious eye damage/irritation</b>	Moderate irritant (rabbit)
<b>Chronic effects</b>	No information available for the product.

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### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Avoid contaminating waterways.
<b>Aquatic toxicity</b>	Toxic to aquatic organisms. May cause long lasting harmful effects to aquatic life.
<b>48hr EC50 (Daphnia magna)</b>	8.0 mg/L (for similar formulation)
<b>96hr LC50 (bluegill sunfish)</b>	5.2 mg/L (for similar formulation)
<b>96hr LC50 (fish)</b>	4 mg/L (cyprinus carpio, for similar formulation)

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### SECTION 13: DISPOSAL CONSIDERATIONS

#### Disposal methods:

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site.

If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways,

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desirable vegetation and tree roots in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

For refillable container, empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage. Do not reuse empty container.

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## SECTION 14: TRANSPORT INFORMATION

### Road and Rail Transport

Classified as a Class 9 – Miscellaneous Substances according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Must not be loaded in the same freight container or on the same vehicle with Class 1, Explosives.

Class 9 dangerous goods that contain organic matter must not be loaded in the same bulk container or tankwagon with dangerous goods of Division 5.1 unless the Class 9 and Division 5.1 dangerous goods are in separate compartments of a bulk container or tankwagon.

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices. Segregation devices may be used to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of Class 3, 4, 5, 6, or 8 or from food items.

<b>UN No.</b>	3082
<b>Transport Hazardous Class</b>	9 Miscellaneous Dangerous Goods
<b>Packing Group</b>	III
<b>Proper Shipping Name or Technical Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POTASSIUM SALT OF GLYPHOSATE)
<b>Hazchem or Emergency Action Code</b>	3Z

### Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

<b>UN No.</b>	3082
<b>Transport Hazardous Class</b>	9 Miscellaneous Dangerous Goods
<b>Packing Group</b>	III
<b>Proper Shipping Name or Technical Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POTASSIUM SALT OF GLYPHOSATE)
<b>IMDG EMS Fire</b>	F-A
<b>IMDG EMS Spill</b>	S-F

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**Air Transport**

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)  
Dangerous Goods

Regulations for transport by air; DANGEROUS GOODS.

<b>UN No.</b>	3082
<b>Transport Hazardous Class</b>	9 Miscellaneous Dangerous Goods
<b>Packing Group</b>	III
<b>Proper Shipping Name or Technical Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS POTASSIUM SALT OF GLYPHOSATE)

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**SECTION 15: REGULATORY INFORMATION**

**NZ specific information:**

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO approval number: HSR000767

HSNO controls: see [www.epa.govt.nz](http://www.epa.govt.nz)

NZ Registration: registered pursuant to the ACVM Act 1997, No. P8725.

**GHS Classification of the chemical:**

Skin Irritation - Category 2

Eye Irritation - Category 2A

Acute Aquatic Toxicity - Category 2

Chronic Aquatic Toxicity - Category 2

**Hazard Statement(s):**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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**SECTION 16: OTHER INFORMATION**

Date of SDS preparation or last revision: June 2018

References: Workplace Exposure Standards and Biological Exposure Indices, Worksafe NZ

Transport of Dangerous Goods on Land NZS 5433:2012