

# SAFETY DATA SHEET

## ROUNDUP® READY TO USE WEEDKILLER GEL

Infosafe No.: LQ1JJ  
ISSUED Date : 18/11/2015  
ISSUED by: Evergreen Garden Care  
Australia Pty. Ltd.

### 1. IDENTIFICATION

**GHS Product Identifier**

ROUNDUP® READY TO USE WEEDKILLER GEL

**Company Name**

Evergreen Garden Care Australia Pty. Ltd.

**Address**

Level 2,  
32 Lexington Drive, Bella Vista  
NSW 2153 Australia

**Telephone/Fax Number**

Tel: (02) 8602 9000

Fax: (02) 8602 9001

**Emergency phone number**

1800 033 111

**Recommended use of the chemical and restrictions on use**

Herbicide

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Isopropylamine salt of glyphosate	38641-94-0	0-<10 %
Ingredients determined not to be hazardous		Balance

### 4. FIRST-AID MEASURES

**Inhalation**

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

### **Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### **Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

### **First Aid Facilities**

Eye wash and normal washroom facilities.

### **Advice to Doctor**

Treat symptomatically. This product is not an inhibitor of cholinesterase.

Antidote- Treatment with atropine and oximes is not indicated.

### **Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

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## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Use water, foam, dry chemical or carbon dioxide.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon dioxide, carbon monoxide, phosphorus oxides (PxOy) or nitrogen oxides (NOx).

### **Specific Hazards Arising From The Chemical**

This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

### **Decomposition Temperature**

Not available

### **Precautions in connection with Fire**

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency Procedures**

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

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## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

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

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

### **Storage Temperatures**

Minimum storage temperature: -15°C

Maximum storage temperature: 50°C

### **Recommended Materials**

For storage: Keep only in the original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limit values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### Biological Limit Values

No biological limits allocated.

### Appropriate Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter may be necessary. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material such as nitrile, butyl, neoprene, polyvinyl chloride (PVC), natural rubber and/or barrier laminate. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Gel	Appearance	Hazy gel (free from foreign materials)
Colour	Colourless	Odour	Odourless
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	Not available	Solubility in Water	Completely miscible.
Solubility in Organic Solvents	Not available	Specific Gravity	1.017
pH	7	Vapour Pressure	No significant volatility; aqueous solution.
Vapour Density (Air=1)	Not applicable	Evaporation Rate	Not available
Odour Threshold	Not available	Viscosity	Not available
Volatile Component	Not available	Partition Coefficient: n-octanol/water	log Pow: -3.2 (25°C) (glyphosate)
Density	1.017 g/cm <sup>3</sup> (20°C)	Flash Point	Does not flash.
Flammability	Not flammable	Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available	Flammable Limits - Upper	Not available
Explosion Properties	No explosive properties.		

## Other Information

These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

## 10. STABILITY AND REACTIVITY

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### Reactivity

Reacts with incompatible materials.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Strong oxidising agents, galvanised steel, unlined mild steel.

### Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon dioxide, carbon monoxide, phosphorus oxides (PxOy) or nitrogen oxides (NOx).

### Possibility of hazardous reactions

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

## 11. TOXICOLOGICAL INFORMATION

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### Toxicology Information

Toxicity data for material given below.

#### Acute Toxicity - Oral

LD50 (Rat): > 5,000 mg/kg body weight (no mortality) (OECD 425)

#### Acute Toxicity - Dermal

LD50 (Rat): > 5,000 mg/kg (body weight) (no mortality)

#### Ingestion

Not classified according to GHS criteria.

#### Inhalation

Not classified according to GHS criteria.

#### Skin

Not classified according to GHS criteria.

Rabbit, 3 animals, OECD 404 test:

Redness, individual EU scores: 0.0; 0.3; 0.7

Swelling, individual EU scores: 0.0; 0.0; 0.0

Days to heal: 3

Slight irritation.

#### Eye

Not classified according to GHS criteria.

Rabbit, 3 animals, OECD 405 test:

Conjunctival redness, individual EU scores: 0.0; 0.0; 0.0

Conjunctival swelling, individual EU scores: 0.3; 0.3; 0.3

Corneal opacity, individual EU scores: 0.0; 0.0; 0.0

Iris lesions, individual EU scores: 0.0; 0.0; 0.0

Days to heal: 2

Slight irritation.

#### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

#### Skin Sensitisation

Not expected to be a skin sensitiser.

Guinea pig, 9-induction Buehler test:

Positive incidence: 0 %

Negative.

#### **Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

#### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

#### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

Developmental effects in rats and rabbits only in the presence of significant maternal toxicity.

Reproductive effects in rats only in the presence of significant maternal toxicity.

#### **STOT-single exposure**

Not considered to cause toxicity to a specific target organ.

#### **STOT-repeated exposure**

Not considered to cause toxicity to a specific target organ.

#### **Aspiration Hazard**

Not expected to be an aspiration hazard.

#### **Other Information**

N-(phosphonomethyl)glycine; (glyphosate acid):

Genotoxicity: Not genotoxic

Carcinogenicity: Not carcinogenic in rats or mice

Reproductive/Developmental Toxicity: Developmental effects in rats and rabbits only in the presence of significant maternal toxicity. Reproductive effects in rats only in the presence of significant maternal toxicity.

## **12. ECOLOGICAL INFORMATION**

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#### **Ecotoxicity**

The available ecological data is given below.

#### **Persistence and degradability**

Not available

#### **Mobility**

Not available

#### **Bioaccumulative Potential**

Not available

#### **Other Adverse Effects**

Not available

#### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

#### **Acute Toxicity - Fish**

LC50 (Rainbow trout (*Oncorhynchus mykiss*)): > 975 mg/L/96h (limit test, static)

#### **Acute Toxicity - Daphnia**

EC50 (Water flea (*Daphnia magna*)): 323 mg/L/48h (static)

#### **Acute Toxicity - Algae**

ErC50 (Green algae (*Pseudokirchneriella subcapitata*)): > 1,020 mg/L/72h (static, growth rate)

NOAEC (Green algae (*Pseudokirchneriella subcapitata*)): 287 mg/L/72h (static, growth rate)

#### **Acute Toxicity - Other Organisms**

Arthropod:

LD50 (Honey bee (*Apis mellifera*)): 192 ug/bee/48h (Oral/contact)

Soil organism toxicity, invertebrates:

LC50 (Earthworm (*Eisenia foetida*)): > 10,000 mg/kg/14d (dry soil)

Soil organism toxicity, microorganisms:

Nitrogen and carbon transformation test: 12.6 kg/ha/28d; Less than 25% effect on nitrogen or carbon transformation processes in soil.

#### **Other Information**

Data for N-(phosphonomethyl)glycine; (glyphosate acid):

Avian toxicity:

LD50 (Bobwhite quail (*Colinus virginianus*)): > 3,851 mg/kg (body weight, acute oral toxicity, single dose)

Bioaccumulation:

Bluegill sunfish (*Lepomis macrochirus*) - Whole fish: BCF: < 1; No significant bioaccumulation is expected.

Dissipation:

Soil, field - Half life: 2 - 174 days; Koc: 884 - 60,000 L/kg; Adsorbs strongly to soil.

Water, aerobic - Half life: < 7 days

### **13. DISPOSAL CONSIDERATIONS**

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#### **Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

### **14. TRANSPORT INFORMATION**

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#### **Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

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 Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

#### **U.N. Number**

None Allocated

#### **UN proper shipping name**

None Allocated

#### **Transport hazard class(es)**

None Allocated

#### **IMDG Marine pollutant**

No

#### **Transport in Bulk**

Not available

#### **Special Precautions for User**

Not available

### **15. REGULATORY INFORMATION**

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#### **Regulatory information**

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

#### **Poisons Schedule**

S5

## 16. OTHER INFORMATION

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### Date of preparation or last revision of SDS

SDS Reviewed: November 2015

Supersedes: August 2012

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

### Contact Person/Point

New Zealand:

Level 4,

152 Fanshawe St,

Auckland

Phone: 0800 449 213

Emergency Tel: 0800734 607

## END OF SDS

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