

SAFETY DATA SHEET

Date of Issue: 6 March 2020

Issue Number: 060320_v1

1. IDENTIFICATION

PRODUCT NAME: Roundup M Weedkiller
Other names:
USE: Herbicide
COMPANY: Evergreen Garden Care Australia Pty Ltd
ADDRESS: Building E, Level 2, 24-32 Lexington Dr.
Bella Vista, NSW, Australia 2153.
TELEPHONE: (+61) 2 8602 9000
Fax: (+61) 2 8602 9001

New Zealand Distributor:
Evergreen Garden Care New Zealand Ltd
Truman Lane, Te Maunga
Mount Maunganui 3175
Telephone: (07) 575 2160
Fax: (07) 575 8462
Website: www.tuiproducts.co.nz

Emergency Telephone Numbers: **NATIONAL POISONS CENTRE** **0800 764 766**
POLICE, FIRE, AMBULANCE **111**

2. HAZARD IDENTIFICATION:

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

EPA New Zealand Approval Code: HSR100587

Refer to www.epa.govt.nz for Controls for this substance.

HSNO Hazard Classification: 9.1B

Pictograms:



Signal word: Not required

Hazard Statements:

H411 Harmful to aquatic life.

Prevention Statements:

P103 Read label before use.

P273 Avoid release to environment.

Response Statements:

P391 Collect spillage.

Storage Statement:

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Disposal Statement:

P501 Dispose of to an approved landfill in accordance with any local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Glyphosate, potassium salt	70901-12-1	51
Other ingredients including water	Proprietary	Balance

4. FIRST AID MEASURES

Consult the National Poisons Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning. If medical advice is needed, have product container or label at hand.

INGESTION: Rinse mouth with water. Do NOT induce vomiting. Give water to sip. Call a Poison Centre or doctor for advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

INHALATION: Move person to fresh air and keep warm and at rest until recovered. Call a Poison Centre or doctor for advice if person feels unwell.

SKIN: Remove immediately all contaminated clothing. Wash affected area with plenty of soap and. If irritation occurs, get medical advice.

EYES: Hold eyes open and rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do after the first 5 minutes. Continue rinsing for at least 15 minutes. Get medical attention if irritation persists.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing agent suitable for surrounding materials.

FIRE & EXPLOSION HAZARDS: Product is combustible. Toxic/irritating compounds emitted if product is involved in fire.

SPECIFIC HAZARDS: In case of fire, avoid breathing smoke.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Wear personal protective equipment. Avoid contact with skin and eyes.

Contain spill. Avoid run off into drains or sewers. Do not contaminate watercourses or the ground.

For large spills (more than a drum), recover liquid and transfer by mechanical means to labeled salvage tank that can be sealed for recovery or disposal of product.

For small spills, absorb with an appropriate inert material, e.g. vermiculite, sand or earth, and dispose of waste safely in a labelled sealed container to disposal facility.

If contamination of drains, sewers or waterways occurs immediately notify Emergency Services (111).

DISPOSAL: Dispose of contaminated waste or product to a disposal facility or to an approved landfill in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: A suitably qualified handler is required when used for wide dispersive use. Refer to HSNO Controls for specific requirements. Read label before use. Keep container closed when not in use. Use only in well-ventilated areas. Avoid breathing vapors or direct contact with product. Protect eyes from splashes. Wear impervious gloves. Wash hands after handling.

STORAGE: Store in closed original container in a cool dry well-ventilated place, away from sunlight, out of reach of children, and away from food, drink and animal foodstuffs.

Recommended materials: Information not available.

Unsuitable materials: Galvanised steel, unlined mild steel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: NZ Workplace Exposure Standards (WES) have not been set for a component in this substance.

ENGINEERING CONTROLS: Use only in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Wear gloves and eye protection when handling concentrate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid
Odour:	Odourless
Odour threshold:	Not available
pH:	4.3 – 4.8
Melting point/Freezing point(°C):	Not available
Boiling point/Boiling range (°C):	Not available
Flash point (°C):	Not flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits in air (%v/v):	Not available
Vapour pressure (Pa at 20°C):	Not available
Vapour density (air =1):	Not available
Relative density at 25°C, g/cc:	1.379
Solubility in water:	Soluble
Partition coefficient: n-octanol/water:	-3.2 @ 25°C (for glyphosate)
Auto-ignition temperature (°C):	Not available
Decomposition temperature (°C):	Not available
Kinematic viscosity:	Not available
Volatile organic carbon content:	Not available
Evaporation rate (nBuAc =1):	Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of storage and use.

CONDITIONS TO AVOID: Storage in direct sunlight.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Dependent on conditions under which decomposition (combustion, thermal or oxidative degradation) occurs. A complex mixture of airborne solids, liquids and gases (carbon monoxide, carbon dioxide, phosphorous oxides, nitrogen oxides) will be evolved.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

ACUTE TOXICITY: Not classified as acutely toxic by oral, dermal or inhalation routes.

ASPIRATION HAZARD: Not classified with aspiration hazard.

RESPIRATORY IRRITATION: Inhalation of vapours may be irritating to respiratory system.

SKIN CORROSION/IRRITATION: Not classified as irritant.

SERIOUS EYE DAMAGE/IRRITATION: Not classified as irritant.

RESPIRATORY OR SKIN SENSITISATION: Not classified as respiratory nor as contact sensitizer.

GERM CELL MUTAGENICITY: No components identified with mutagenic properties.

CARCINOGENICITY: No components identified carcinogenic properties.

REPRODUCTIVE TOXICITY: No components classified with adverse effects on fertility or the unborn child.

SPECIFIC ORGAN TOXICITY (REPEATED AND SINGLE EXPOSURE): No adverse effects identified.

NARCOTIC EFFECTS: No information available.

Toxicological data:

For glyphosate acid: Oral LD₅₀ (rat) > 5000 mg/kg b.w.

Dermal LD₅₀ (rabbit) > 5000 mg/kg b.w.

Additional information: Not available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Product is toxic to aquatic life with long lasting effects.

PERSISTENCE AND BIODEGRADABILITY: Components are expected to be biodegrade.

Absorption studies indicate that glyphosate has very low mobility. Average field half-life of glyphosate is 47 days.

POTENTIAL FOR BIOACCUMULATION: Components are not expected to be bioaccumulative. Glyphosate is not bio-accumulative; BCF = <1 for bluegill sunfish.

Log Pow -3.2 @ 25 °C (for glyphosate)

MOBILITY IN SOIL: Product is soluble in water. May contaminate groundwater. Glyphosate is however strongly absorbed by soil and therefore becomes practically immobile.

Microbial degradation is the major cause of loss from soil with liberation of carbon dioxide.

OTHER ADVERSE EFFECTS: Not available.

OTHER INFORMATION: Environmental Exposure Limit (EEL) for glyphosate is 0.37 mg/L

Ecotoxicological data:

For glyphosate; Rainbow trout (*Oncorhynchus mykiss*) LC₅₀ (96 hr) 86 mg/L
Bluegill sunfish (*Lepomis macrochirus*) LC₅₀ (96 h) 120 mg/L
Daphnia magna EC₅₀ (48 h) 780 mg/L
Bobwhite quail (*Colinus virginianus*) LD₅₀ > 3850 mg/kg
Honey bee (*Apis mellifera*) oral, LD₅₀ 100 µg/bee

For similar formulation; Bluegill sunfish (*Lepomis macrochirus*) LC₅₀ (96 h) 5.2 mg/L
Common carp (*Cyprinus carpio*) LC₅₀ (96 h) 4.0 mg/L
Daphnia magna EC₅₀ (48 h) 8.0 mg/L
Green algae (*Selenastrum capricornutum*) growth rate EC₅₀ (72hr) 1.4 mg/L
Bobwhite quail (*Colinus virginianus*) LD₅₀ > 2250 mg/kg
Honey bee (*Apis mellifera*) oral or contact, LD₅₀ >281 µg/bee

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Recover and recycle product whenever possible. Send clean dry containers to recycling facility or dispose of through rubbish collection. Dispose of waste in accordance with Regional Authority or local council bylaws.

SPECIAL PRECAUTIONS: Ensure empty containers are water rinsed. Do not use empty containers for storing other products.

14. TRANSPORT REGULATIONS

This product is classified as a Dangerous Good Class 9 for transport.
Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

TRANSPORT INFORMATION:

UN Number: 3082

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (CONTAINS GLYPHOSATE)

Class: 9

Sub risk: -

Packing Group: III

HAZCHEM: 3Z

Marine Pollutant: -

15. REGULATORY INFORMATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

HSNO Substance Approval Code: HSR100587

Refer to Section 2 for hazardous classifications and to www.epa.govt.nz for Controls and Conditions.

Regulation:

77A

Description:

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A restriction has been placed on the use of the substance.

Variation:

MON76641 shall be under the personal control of an approved handler during the application of the substance onto or into water, where the water has the potential to leave the place containing the application area.

16. OTHER INFORMATION

ISSUE DATE: 06 March 2020

REPLACES: Not applicable

REASONS FOR ISSUE: New product

ABBREVIATIONS:

CAS No.	Chemical Abstracts Service Number
EPA	Environmental Protection Authority
HSNO	Hazardous Substances & New Organisms
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

REFERENCES:

Chemical Classification and Information database (CCID); www.epa.govt.nz

Supplier Safety Data Sheets for components

Toxicity and ecotoxicity Study reports on product

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Evergreen Garden Products disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET