



LandMan Limited

Dated 2018 SAFETY DATA SHEET

CUT'N'PASTE All Cut'n'Paste Glyphosate products

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Cut'n'Paste
Product Code	-
Other Names	-
Product Type	Herbicide
Recommended Use	For control of a broad range of plant pests by direct application of the undiluted product.
Company Name	LandMan Limited
Address	16 Hobson Terrace Waiheke Island Auckland 1081 New Zealand
Telephone Number	0064 9 372 9333
Emergency Telephone	021 027 11631

2. HAZARDS IDENTIFICATION

Hazard Classifications	Not classified as Dangerous Goods according to the LTSA New Zealand.
Other Information	9.1D aquatic toxicant ECOTOXIC Slightly harmful to aquatic organisms. Non-selective herbicide - very toxic to most plant species.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization	Gel	
Ingredient (common name)	CAS Number	Proportion
Glyphosate present as the isopropylamine salts	38641-94-0	120 g/L 24/120/240g/L
Alkyl polyglucoside surfactants	Proprietary	3-10%
Ingredient deemed not to be hazardous	Proprietary	23 g/L
Water	7732-18-5	Balance

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
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Ingestion	If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly with soap and plenty of water. Seek medical attention if symptoms occur.
Eyes	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire. Water fog, carbon dioxide, dry chemical or foam.
Hazardous Combustion Products	Oxides of nitrogen or phosphorus.
Firefighting Equipment	Fire fighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.
Unusual Fire or Explosion Hazards	This product will not burn. This product will react with mild or galvanized steel to produce highly flammable and explosive hydrogen gas.
Hazchem Code	Not applicable

6. ACCIDENTAL RELEASE MEASURES

Spills	In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection and impervious elbow-length gloves. Evacuate general area and deny access to unnecessary and unprotected personnel. Stop leak if safe to do so and contain spill. Absorb with sand, soil or other absorbent material. Collect the material and place into clearly labeled containers for subsequent disposal in an approved landfill.
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7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Approved handler: Not applicable Tracking: Not applicable
Storage	Store in a cool, dry, well-ventilated area away from foodstuffs,



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fertilisers and seeds. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	None established for formulated product.
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator or organic vapour cartridge mask should be used. See Australian / New Zealand Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Safety goggles. See Australian / New Zealand Standards AS/NZS 1337 for more information.
Skin Protection	Impermeable nitrile gloves, suitable protective work wear and boots. See Australian / New Zealand Standards AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear light amber gel
Odour	Faint detergent odour
Solubility in water	Soluble
pH	5.3-5.6
Boiling Point / Range	105°C
Freezing Point / Range	-10°C
Evaporation Rate	No information available
Vapour Density (Air = 1)	No information available
Specific Gravity (H₂O=1)	1.35
Flash Point	None
Flammable Limit – Lower	Not flammable
Flammable Limit – Upper	Not flammable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Incompatible Materials	Corrosive to mild steel, galvanized steel and zinc.



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Hazardous Decomposition Products	Non corrosive to stainless steel, plastics and polyethylene. Oxides of nitrogen or phosphorus. This product will react with mild or galvanized steel to produce highly flammable and explosive hydrogen gas.
Hazardous Polymerization Conditions to Avoid	Will not occur. None known.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Glyphosate as the isopropylamine salt: Oral LD ₅₀ (rat) = 4050 mg/kg Dermal LD ₅₀ (rabbit) > 5000 mg/kg Inhalation LC ₅₀ (rat) > 1.3 mg/L / 4 hour Reproductive toxicity – No Mutagenicity – No
Routes of Exposure	Ingestion, eye and skin
Health effects from likely routes of exposure	Ingestion: No effects anticipated. Eye: May cause mild eye irritation. Skin: No effects anticipated.
Effects of Overexposure Existing Conditions Aggravated by Exposure Carcinogenicity	No chronic effects expected. None known. This product does not contain any IARC listed chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Glyphosate as the isopropylamine salt: Aquatic organisms: LC50 (Rainbow trout) 96hr = 8.2 – 26 mg/L LC50 (Bluegill sunfish) 96hr = 5.8 - 14 mg/L LC50 (Carp) 96hr = 19.7 mg/L EC50 (Daphnia magna) 48hr = 480 mg/L Slightly harmful to fish and other aquatic organisms (mainly due to the surfactant). Birds: LD50 (Bobwhite quail) > 3850 mg/kg Not toxic to birds. Bees: LD50 > 100µg/bee Not toxic to bees.
Mobility	Adsorption studies indicate that glyphosate has very low mobility. Average field half life of glyphosate is 47 days. Glyphosate is strongly adsorbed by soil and therefore becomes practically



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immobile. Microbial degradation is the major cause of loss from soil with liberation of carbon dioxide. Glyphosate is not bio-accumulative.

13. DISPOSAL CONSIDERATIONS

Product disposal Dispose of product according to the label, or at an approved landfill.
Container disposal Dispose of container according to the label, or at an approved landfill.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to Land Transport Rule: Dangerous Goods 2005

UN Number Not applicable
Proper Shipping Name Not applicable
Dangerous Goods Class Not applicable
Hazchem Code Not applicable
Packing Group Not applicable
Special Precautions Not applicable

Other Information **Segregation:**
Check the latest Land Transport Rule: Dangerous Goods 2005 Rule 45001 for additional information.
Refer NZS5433 - Sea segregation for details.

15. REGULATORY INFORMATION

Approved pursuant to the HSNO Act 1996, HSR 100736
See www.epa.govt.nz for approval controls

16. OTHER INFORMATION

Last Revision of MSDS Rev 1.0 (09/10/2012)
Prepared by MSDS.COM.AU Pty Ltd www.msds.co.nz
Abbreviations Used IARC: International Agency for Research on Cancer
HSNO: Hazardous Substances and New Organisms
STEL: Short term exposure limit
TWA: Time weighted average



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Emergency Contacts

LandMan Limited	0064 9 372 9333
LandMan Limited – Emergency Number	021 027 11631
Police and Fire Brigade	111
Poisons Information Centre	0800 764 766

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Please read instructions / label before using product.