



Cut'n'Paste SDS - SAFETY DATA SHEET Dated 2018

Bamboo Buster Cut'n'Paste Glyphosate Gel 240g/L

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Cut'n'Paste

Product Code: Bamboo Buster

Product Type: Herbicide Gel

Recommended Use

Cut'n'Paste Bamboo Buster Herbicide Gel is designed for the control of Bamboo Species and a broad range of tough plant pests by direct application of the undiluted product to cut stems or foliage. It is not to be used on or near plants and foodstuffs destined for humans or animals. The product is to be applied using the supplied bottles and brush tops.

Company Name Address

LandMan Limited 16 Hobson Terrace Waiheke Island Auckland 1081 New Zealand

Telephone Number

0064 21 027 11631

Emergency Telephone National Poisons Centre

0800 764 766

Hazard Classifications

9.1B

Chemical Characterization Ingredient (common name)

Glyphosate present as the IPA isopropylamine salt. Alkyl polyglucoside surfactant ingredient deemed not to be hazardous.

2. HAZARDS IDENTIFICATION

9.1B Not classified as Dangerous Goods according to the LTSA New Zealand. Substances that are ECOTOXIC in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composed of 240g/L of Glyphosate IPA salt in aqueous solution in the form of a gel with a harmless blue dye.

4. FIRST AID MEASURES

Inhalation

Inhalation is extremely unlikely. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Harmful to aquatic organisms take care around water ways. Non-selective herbicide - very toxic to most plant species.

Approved handler: Not applicable

Tracking: Not applicable

CAS Number

Glyphosate 38641-94-0 Water 7732-18-5. HSNO number HSR000767

Proportion

240 g/L Glyphosate with the balance water

Ingestion Skin Eyes

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention. 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.

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Seek medical attention.

Suitable Extinguishing

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, avoid water jet.

MediaHazardous Combustion Products

Oxides of nitrogen and/or phosphorus.

Firefighting Equipment

Fire fighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus. This product will not burn. This product will react with mild or galvanized steel to produce highly flammable and explosive hydrogen gas.

Unusual Fire or Explosion Hazards

Not applicable

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.

Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Store in a cool, dry, well-ventilated area away from foodstuffs,

5. FIRE FIGHTING MEASURES

During a fire, toxic fumes may be emitted. Wear self-container breathing apparatus. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Floors will be slippery. When dealing with spills wear PPE as described in 8 below. Prevent further spillage of leakage. Keep bystanders away. Absorb spillage with inert material such as spill kit, sand or cat litter. Collect and place in a sealable container for disposal. Absorb and collect washings for safe disposal.

7. HANDLING AND STORAGE

Handling

Keep out of reach of children. Avoid eye and skin contact. When applying or refilling containers wear PPE as described in 8 below. Do not eat, drink or smoke whilst using.

Wash hands and face after use. Wash protective clothing after use. Used as a concentrate in gel form only. Not to be diluted.

Storage

Keep out of reach of children. Store in the original, tightly closed container, in a secure area away from foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Tolerable Workplace Exposure Limit and Standards

Not established, use lowest possible level.

Engineering Controls

Limited given nature of use

Respiratory Protection

None required given nature of the gel.

Eye Protection Skin Protection

Splashes are very unlikely and eye protection is unnecessary. Avoid rubbing any gel into the eyes by washing hands thoroughly after use. Wear disposable nitrile gloves whilst handling. Gel contains blue dye and any accidental contact is easily recognized and removed. Wash any soiled clothing or overalls. Provide eyewash fountains and safety showers in close proximity to points of potential exposure particularly where gel bottles are refilled.

Hygienic Practices

Do not eat, drink or smoke whilst using. Wash hands and face after use. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

A dark green gel

Odour

Negligible

Solubility in water

Soluble in water with agitation.

pH

Neutral 6 - 7

Boiling Point

Greater than 100C

Range Freezing Point

Below 0C

Range Evaporation Rate

Negligible

Vapour Density (Air = 1)

Not Volatile

Specific Gravity (H₂O=1)

1.15g/ml approximately

Flash Point

Will not flash

Flammable Limit

Not Flammable

10. STABILITY AND REACTIVITY**Chemical Stability**

Very chemically stable under normal conditions. Shelf life nominally 2 years.

Incompatible Materials

Avoid mixing with strong acids and alkalis. Do not place in unlined steel or galvanized containers. This product will react with and is corrosive to mild steel, galvanized steel and zinc. Non corrosive to stainless steel, plastics and polyethylene.

Avoid contact with fertilisers, seeds, desirable plant materials, food stuffs. Keep containers tightly closed when not in use.

See Australian / New Zealand Standards AS/NZS 1715 and 1716 for more

information. Safety goggles. See Australian / New Zealand Standards AS /NZS 1337 for more information. Impermeable nitrile gloves, suitable protective work wear and boots. See Australian / New Zealand Standards AS/NZS 2210 for more information

11. TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this material is not used in accordance with this data sheet.

Swallowed: Burning sensation in throat. Nausea, vomiting diarrhoea.

Eyes: Irritation

Skin: Mild irritation

Inhalation: Coughing and irritation

Acute Toxicity (Active Ingredient)

Acute Oral LD50 Rats >2000mg/kg

Acute Dermal LD50 Rats >2000mg/kg

Inhalation LC50 (4hrs) Rats >5mg/L

Sensitisation: None

Mutagenic Effects: None

Carcinogenic Effects: None (WHO have deemed Glyphosate a probable carcinogen)

Reproductive Effects: None

Teratogenic (Birth) Effects: None

Systemic Effects: None

Routes of Exposure

Mouth and skin

Health effects from likely routes of exposure

Minimal if used with PPE recommended in 8 above.

Effects of Chronic Overexposure

WHO have deemed Glyphosate a probable carcinogen.

Existing Conditions Aggravated by Exposure

None

Carcinogenicity

WHO have deemed Glyphosate a probable carcinogen.

12. ECOLOGICAL ECOTOXICITY INFORMATION

This section describes effects that could occur if this material is not handled and used in accordance with this data sheet.

Ecotoxic Effects

LC50 (96hr) (Bluegill sunfish) 45mg/L

LC50 (48hr) Daphnia magna) 93mg/L

LC50 (96hr) (Algae) 1.2mg/L

Very toxic to most plants species (herbicide)

Glyphosate is non-toxic to bees

Environmental Fate

Biodegradable. DT50 (soil) 12 days typically

Partition Co-Efficient (KoW) LogP = < 3.2 (Low)

Environmental Exposure Limit

Product: Non set

Active Ingredient: 3.6mg/L as glyphosate (in water); equivalent to 1ml of 450g/L glyphosate per 125 litres of water.

13. DISPOSAL CONSIDERATIONS

Product disposal Container disposal

Dispose of product according to the label, or at an approved landfill. Dispose of container according to the label recycle code 2.

14. TRANSPORT INFORMATION

UN Number: 3082

Proper Shipping Name: Environmentally Hazardous Substance, Gel, N.O.S, (Glyphosate Isopropylamine 26%)

Dangerous Goods Class: 9

Hazchem Code 3Z

Packing Group: III

Other Information: Marine Pollutant

MTQ (Non-Commercial): 1000L

Segregation:

Check the latest Land Transport Rule: Dangerous Goods 2005 Rule 45001 for additional information. Refer NZS 5433 - Sea segregation for details.

15. REGULATORY INFORMATION

Approved pursuant to the HSNO Act 1996, HSR 000767

ACVM Registration No: Not applicable.

16. OTHER INFORMATION

Approved Handler is not required for this product

Last Revision of MSDS 15 Dec 2018

Prepared by Andy Spence Director Landman Ltd

Abbreviations Used

IARC: International Agency for Research on Cancer

HSNO: Hazardous Substances and New Organisms

STEL: Short term exposure limit

TWA: Time weighted average

DT50: Time (days) for 50% reduction in concentration.

EC50: Concentration required to produce an effect in 50% of organisms.

LC50: Concentration that will kill 50% of organisms.

LD50: Dose that will kill 50% of organisms.

MTQ: Maximum Transport Quantity. The maximum amount of dangerous goods that can be transported by road by the user.

CUTNPASTE.CO.NZ

Emergency Contacts

LandMan Limited 021 027 11631

Emergency Number Police 111 and Fire Brigade

Poisons Information Centre 0064 9 372 9333 0800 764 766

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Please read instructions / label before using product. This product is easy to use, safe, effective and highly targeted if used in accordance with recommendations on the label and this SDS.