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 **Cut’n’Paste SDS - SAFETY DATA SHEET** Dated 2018

 For Glimax Cut’n’Paste Glyphosate Gel 450g/L

 

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: Glimax

Product Code: Glimax Professional

Product Type: Herbicide Gel

**Recommended Use**

Cut’n’Paste Glimax Herbicide Gel is designed for the control of a broad range of 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 450g/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**

450 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.

**Media 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. 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 unneccessary. 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 bright blue 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**

Neglible

**Vapour Density (Air = 1)**

Not Volatile

**Specific Gravity (H2O=1)**

1.25g/ml approximately

**Flash Point**

Will not flash

**Flammable Limit**

Not Flammable

**10. STABILITY AND REACTIVITY**

**Chemical Stability**

Very chemically stable under normal conditions.

**Incompatible Materials**

Avoid mixing with strong acids and alkalis. Do not place in unlined steel or galvanized containers. This product with 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 diarrhorea.

**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 51%)

Dangerous Goods Class: 9

Hazchem Code3Z

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 NZS5433 - 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 10 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.