



Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **MCGREGOR'S WEED OUT FOR GENERAL WEED CONTROL**

Recommended use: Herbicide

Supplied: Amalgamated Hardware Merchants Ltd (AHM)
PO Box 97162, Manukau 2241, New Zealand

Street Address: 8 Hautu Drive, Wiri, Manukau, New Zealand

Telephone number: +64 9 2511310

Facsimile number: +64 9 2511311

Emergency Telephone: The National Poisons Centre 0800 764 766 (24 HOURS)

Date of Preparation: February 2012

Date of Revision:

2. HAZARDS IDENTIFICATION

Priority Identifiers: Ecotoxic

HSNO Classes: Secondary Identifiers:

6.1D (Secondary identifier not required)

6.4A May cause eye irritation

9.1B Toxic to aquatic organisms

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS No	Content (%w/v)
Glyphosate isopropylamine (active ingredient)	38641-94-0	49
Other ingredients, surfactants, water, etc	Proprietary	Remainder

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4. FIRST AID MEASURES

Skin Contact:	In case of contact, immediately was affected area with soap and water. Wash contaminated clothing before reuse. Seek medical advice if irritation persists.
Eye Contact:	Hold eyes open and rinse with water for at least 15 minutes. Remove contact lenses if easy to do so. Seek medical advice.
Ingestion:	Do not induce vomiting. Seek medical advice immediately.
Inhalation:	Immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Seek medical advice immediately.
Workplace Facilities:	Hand wash facility. Eye wash facility.
Advice to Doctor:	No specific antidote. Treat symptomatically.
National Poison Centre:	0800 POISON (0800 764 766) (24 Hours)

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard:	Non-Flammable
HAZCHEM Code:	2X
ERP Guide No:	47
Extinguishing Media:	Water spray, foam, dry chemical or CO ₂ . Avoid water jet.
Fire fighting Instructions:	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

6. ACCIDENTAL RELEASE MEASURES

Caution: Floors may be slippery if wet. When dealing with spills wear personal protective clothing and equipment as described in section 8. Prevent further spillage or 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. Wash down affected area with water and detergent. Absorb and collect washings for disposal. Dispose of safely to an approved landfill.



7. STORAGE, HANDLING AND USE

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

Handling and Use: Keep out of reach of children. Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear protective clothing as described in section 8. Do not eat, drink or smoke while using. Wash hands and face after use. Wash protective clothing after use. This product should only be mixed, contained in or sprayed by, equipment made from stainless steel, fibreglass, plastic, aluminium, brass or copper. A highly flammable gas (hydrogen) may be formed from the contact of this product with galvanised or unlined steel. All spray equipment, including pumps, spray tanks, lines and nozzles should be thoroughly washed with water after each day of spraying.

Approved Handler: Not required.

Tracking: Not required.

Record Keeping: Not required.

Site requirements under the HSNO Act 1996 and HSNO Regulations:

- A location test certificate is not required
- A hazardous atmosphere zone is not required
- Fire extinguishers are not required
- Signage is required for 1000 litres or more
- Emergency information is required for 1 litre or more
- An emergency plan is required for more than 1000 litres
- Secondary containment is required for more than 1000 litres
- Separation/Segregation from incompatible substances is not applicable

Additional Requirements: All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.



8. EXPOSURE CONTROL / PERSONAL PROTECTION

Tolerable Exposure Limit:	None established.
Exposure Standards:	Product – None established (Use lowest practicable level). Active Ingredient – None established (Use lowest practicable level).
Personal Protection:	
Eyes:	Safety glasses/goggles when mixing or applying.
Skin:	Wear protective clothing and waterproof gloves.
Respiratory:	Not required where spray mist is not inhaled. Otherwise, respirator (organic vapour and particulate matter) is required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Amber
Odour:	Faint amine or odourless
Boiling Point:	>100°C
Flash Point:	Will not flash
Auto ignition Temperature:	Not Applicable
Explosive Limits:	Not Applicable
Density:	1.17 g/mL (approx.)
Vapour Pressure:	Not volatile
Vapour Density:	Not volatile
Solubility in Water:	Soluble
pH:	5 – 7
Oxidising Properties:	Not an oxidizer
Corrosive Properties:	Not a corrosive



10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility:	Avoid mixing with strong acids and strong alkalis. Do not place in unlined steel or galvanised equipment.
Decomposition:	Decomposition will not occur under normal conditions.
Dangerous Reactions:	Products arising from combustion, reaction, or thermal decomposition may be toxic, corrosive or flammable.

11. TOXICOLOGICAL INFORMATION

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

Swallowed:	Burning sensation in throat and chest, nausea, vomiting, diarrhoea.
Eye:	Irritation.
Skin:	Irritation.
Inhalation:	Irritation.
Acute Toxicity:	Acute Oral LD50 (Rat) >5000 mg/kg
(Active Ingredient)	Acute Percutaneous LD50 (Rabbit) >5000 mg/kg Inhalation LC50 (4 hr) (Rat) >1.3 mg/l
Sensitisation Effects:	None.
Mutagenic Effects:	None.
Carcinogenic Effects:	None.
Reproductive Effects:	None.
Teratogenic (Birth) Effects:	None.
Systemic Effects:	None.



12. ECOTOXICITY INFORMATION

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

The following information is presented in respect of the active ingredient:

Ecotoxic Effects:	LC50 (96 hr) (Rainbow trout) >1000 mg/l LC50 (48 hr) (Daphnia) >930 mg/l LC50 (96 hr) (Green Algae) 72.9 mg/l Very toxic to plant species (herbicide) Non-toxic to bees.
Environmental Fate:	Biodegradable. DT50 (soil) 3 – 174 days
Partition Co-Efficient (Kow):	LogP = -5.4 (Low)
Environmental Exposure Limit:	Product – 0.01 ml/l (in water) Active Ingredient – 3.6 mg/l as glyphosate (in water)

13. DISPOSAL CONSIDERATIONS

Product:	Dispose of product by using it in accordance with the label. Do not burn. Waste product should be disposed of to an approved landfill. For disposal of large quantities, contact AHM Limited.
Container:	Dispose of the empty container by triple rinsing and adding the wash to your sprayer safely. Avoid contamination of water supply with chemical or empty container.

14. TRANSPORT INFORMATION

Dangerous Goods UN Number:	3082
Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (GLYPHOSATE ISOPROPYLAMINE 49%)
Class:	9
Subsidiary Class:	None
Packaging Group:	III

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Additional Information: MARINE POLLUTANT
Maximum Transport: 250 Litres
Quantity (Non-Commercial)
Passenger Service Vehicle: Maximum quantity 1 Litre

15. REGULATORY INFORMATION

HSNO Approval No: HSR000227

16. OTHER INFORMATION

Glossary

DT50	Time (days) for 50% reduction in concentration
EC50	Concentration required to produce an effect in 50% of organisms
Environmental Exposure Limit	Maximum concentration limit of a substance in an environmental medium, e.g., water, soil
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substances and New Organisms
LC50	Concentration that will kill 50% of organisms
LD50	Dose that will kill 50% of organisms
Partition Co-Efficient Kow	Ratio of concentration between octanol and water. Values are given as the log value. A high value indicates a substance may bioaccumulate
Tolerable Exposure Limit	Maximum concentrate limit of a substance above which persons must not be exposed

Please Note:

Always read the product label before use.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the product in terms of its safety requirements.