

# SAFETY DATA SHEET

Product Name: **McGregor's Weed Out Advanced**

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## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>McGregor's Weed Out Advanced</b>
Recommended uses:	Herbicide (spray concentrate)
Restrictions on Use/Supply	Refer to Hazardous Substance (Hazardous Properties Control) Notice 2017; Part 4(c) for qualifications required for application of ecotoxic pesticides.
Molecular Formula:	Mixture
Supplier:	Amalgamated Hardware Merchants Ltd (AHM)
Street Address:	8 Hautu Drive, Wiri, Manukau, New Zealand
Postal Address:	PO Box 97162, Manukau 2241, New Zealand
Telephone	+64 9 251 1310
Email:	<a href="mailto:info@ahm.co.nz">info@ahm.co.nz</a>
Website:	<a href="http://www.ahm.co.nz">www.ahm.co.nz</a>
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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## 2. HAZARDS IDENTIFICATION

HSNO Hazard Classification	Transport of Dangerous Goods Pictogram	GHS Pictogram	Signal word	Hazard statement code	Precautionary statement codes			
					Prevention	Response	Storage	Disposal
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		No signal word	H319	P103 P264 P280	P305+ P351+ P338 P337+ P313	No storage statements	P501
Aquatic Chronic 2				H411	P103 P273	No response statement	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

GHS Codes:

Eye Irritant (Cat 2)

Aquatic Chronic (Cat 2)

Pictograms:



Hazard Statement:

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children

P103: Read label before use

P264: Wash face and hands thoroughly after use.

P273: Avoid release to the aquatic environment.

P280: Wear eye or face protection while using.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + 313: If eye irritation persists seek medical advice.

P501: Dispose of empty container in rubbish or recycling if permitted after triple rinsing. Do NOT burn.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear Green Liquid

#### Ingredients:

Ingredients	CAS #	Content %
Glyphosate (as the isopropylamine salt)	38641-94-0	35-38%
Polyoxyethylene modified trisiloxane	-	10-15%
Non specified non-hazardous ingredients	NA (Mixture)	to 100 %

### 4. FIRST AID MEASURES

General information: In case of accident, or if you feel unwell, seek medical advice (show the label where possible).

Ingestion: Rinse mouth. Do NOT induce vomiting. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: May cause serious eye irritancy. Rinse opened eye for several minutes under running water. If irritation persists, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Skin Contact: Unlikely to cause skin irritation. Use good hygiene and wash exposed skin with soap and water. If you feel unwell seek immediate medical advice.

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## 4. FIRST AID MEASURES

Inhalation:	Unlikely to present an inhalation hazard but avoid breathing mist or spray. If breathing problems should develop, seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.
Advice for Medical Doctors:	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code:	2 <del>2</del>
Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	Appropriate fire extinguishers are Water, CO <sub>2</sub> , Powder or Alcohol resistant foam. Avoid water jet. Use extinguishing media appropriate to the surrounding conditions.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716) during a fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or other extinguishing agent and spillage safely later.
Hazardous Products of Combustion:	Carbon monoxide (CO), phosphorous oxides (P <sub>x</sub> O <sub>y</sub> ), nitrogen oxides (NO <sub>x</sub> ) and ammonia (NH <sub>3</sub> )

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Avoid eye contact. Avoid breathing vapours, or mist. Floor may become slippery if wet. For specific personal protection see section 8.
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## 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent leakage or spillage if safe to do so. Avoid release to the aquatic environment.
Minor Spills (Up to 20 kg):	Contain spill, absorb with soil or other adsorbent material, and collect.
Major Spills (more than 20 kg):	Minimise spread. Contain spill and collect. Do not allow product or washings to enter the waterways or sewer. If spill does enter waterway contact local authority.  Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling spray or mist. When handling product in drums, safety footwear should be worn, and proper handling equipment should be used. Always use good personal hygiene procedures when handling this product. Wash hands and face before eating, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways.
Conditions for safe Storage including incompatibilities:	Keep out of the reach of children. Store in original container in a cool, dry, ventilated place, away from direct heat of sunlight. Store away from foodstuffs, children, and animals.  Incompatible materials for storage: galvanised steel, unlined mild steel, see section 10.  Minimum shelf life: 2 years.
Protection against fire and explosion:	Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	<i>None established</i>
Engineering Controls:	No special requirements when used as recommended.
Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	Wear eye or face protection when handling or applying.
Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	No special requirement when used as recommended.
General safety and hygiene measures:	Handle in accordance with good hygiene and safety practice. Wearing of closed work clothing is recommended. Minimise contact with the skin, eyes and clothing. Store work clothing separately.
Environmental Exposure Controls:	Minimise release to the environment. For bulk storage, an environmental assessment must be made to ensure compliance with local environmental legislation.

### Exposure Standards:

Substance	Cas #	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Glyphosate IPA	38641-94-1	Not established	Not established	Not established	Not established

### Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Active ingredient or component specification.	77A	The concentration of formaldehyde in the glyphosate component of this substance must not exceed 1.3 g/kg. The concentration of N-nitroso-N-phosphonomethylglycine in the glyphosate component of this substance must not exceed 1.0 mg/kg.

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Maximum application rate.	HPC Notice Part 4(b)	A maximum application rate is set for this substance. This substance must not be applied at rates exceeding 7.5 kg glyphosate per hectare.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear green liquid
Odour:	Faint amine or odourless
Odour Threshold:	No data
pH Value:	4.0 – 7.0
Melting/freezing point:	No data
Boiling point (range):	>100 °C (glyphosate decomposes before boiling)
Flash Point:	Will not flash
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	0.007 mPa (glyphosate IPA)
Vapour density:	No data
Relative density:	1,200 g/l (approx.)
Solubility:	Soluble
Partition coefficient:	LogP = -3.2 (low)
Auto-ignition temperature:	No applicable
Decomposition temperature:	282 °C
Viscosity:	No data

## 10. STABILITY AND REACTIVITY

Stability & Chemical reactivity:	Stable under normal conditions of use. Not explosive or oxidising.
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## 10. STABILITY AND REACTIVITY

Chemical/material Incompatibilities	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly explosive gas that could explode. Avoid mixing with strong acids and strong alkalis.
Conditions to be avoided:	Avoid excessive heating
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Classes	Eye irritant 2: causes serious eye irritation
Acute Toxicity:	Acute oral LD <sub>50</sub> = >5000 mg/kg (rat). Acute dermal LD <sub>50</sub> >2000 mg/kg (rabbit)
Aspiration hazard	Not considered an aspiration hazard
Skin corrosion/irritation:	Not corrosive to skin, unlikely to cause irritation.
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory or skin sensitisation:	Not expected to cause respiratory or skin irritation; avoid breathing mist or spray.
Germ cell mutagenicity:	No data available
Carcinogenicity:	In March 2015, IARC classified glyphosate as "probably carcinogenic to humans" (Group 2A).
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not Classified
Specific organ toxicity – repeated exposure:	Not classified
Narcotic effects:	No data available.



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## 11. TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life. Do not contaminate waterways, sewers, or drains when using product or packaging. Bluegill sunfish, LC <sub>50</sub> (96 hr) 45 mg/L (A.I.) Water Flea, EC <sub>50</sub> (48 hr) 134 mg/L (A.I.)
Bioaccumulation potential:	Not likely to be bioaccumulate
Soil Toxicity and degradability:	Not toxic to worms DT <sub>50</sub> (field) 6.45 days (A.I.)
Mobility in soil	Not mobile, low leachability.

## 13. DISPOSAL CONSIDERATIONS

Waste treatment – recommendation:	Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Excess product should be added to a spray container and applied to land.
Container Disposal:	Empty containers can be recycled or sent to landfill after triple rinsing (add rinsing to spray container). DO NOT reuse or burn containers.
Methods of disposal to avoid	Do not empty into stream, surface water or down stormwater system

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## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number:	3082
UN Dangerous Goods Class:	Class 9.
Hazchem Code:	2.7
UN Packaging Group:	III
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid N.O.S. (glyphosate 360g/l) Marine pollutant.
Segregation:	Not applicable

## 15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	HSR101010
GHS Classifications:	Eye Irritant 2 Aquatic Chronic 2
HSNO Controls:	Refer to HSR101010
Other Controls	Not a tracked substance Does not require a certified handler Maximum quantity in a passenger service vehicle 10-litres Secondary containment and an emergency response plan required when storing more the 1,000-litres

## 16. OTHER INFORMATION

SDS date of preparation:	20 / 12 / 2021
SDS date of revision:	20 / 12 / 2026

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## 16. OTHER INFORMATION

All Safety Data Sheets are subject to review and should not be left longer than five years before and update is obtained.

For further information visit the Amalgamated Hardware Merchants Ltd (AHM) web site, [www.ahm.co.nz](http://www.ahm.co.nz), or contact the supplier of the starting materials.

The information in this document should be made available to all who may handle the product. For proper and safe use of this product, please refer to the product label.

This information is based on data believed by Amalgamated Hardware Merchants Ltd (AHM) to be accurate at the time of writing. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the materials referred herein does so at their own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Attention is drawn to the application and safety instructions set out on the label. This sheet is not a substitute for safety, hazard or application instructions set out on the label. As Amalgamated Hardware Merchants Ltd (AHM) and their distributors have no control over storage or use of this product no liability for accident or damage will be accepted.

### **Abbreviations:**

ADR: European agreement concerning the international carriage of dangerous goods by Road.

CLP: Classification, Labelling and Packaging

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

GHS: Global Harmonized System

EU: European Union

EC: European Commission

TLV: Threshold Limit Value

TWA: Time Weighted Average

STEL: Short-Term Exposure Limit

H Phrase: Hazard phrase

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P Phrase: Precautionary phrase