

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 1 of 11



## 1. PRODUCT AND COMPANY INFORMATION

<b>Chemical/Product Name:</b>	<b>McGregor's Weed Out Weed Killer</b>
Recommended uses:	Herbicide; spray concentrate mix with water prior to use.
Restrictions on Use/Supply	This substance must not be applied at rates exceeding 20ml per 10m <sup>2</sup> (nominally 20ml/L). Prevent spray drift as it may cause severe damage to non-target plants.
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)

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 2 of 11



## 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
Aquatic Chronic 2			No signal word	H411	P103 P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

GHS Codes:

Aquatic Chronic 2

Pictograms:



Hazard Statement:

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

P273: Avoid release to the aquatic environment.

P391: Collect spillage

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

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 3 of 11



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear, colourless to light amber coloured liquid.

### Ingredients:

Ingredients	CAS #	Content %
Glyphosate as the isopropyl amine salt	38641-94-0	35 - 37%
Non specified 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: Not expected cause eye irritancy. If in eye, rinse opened eye for several minutes under running water. If irritation develops seek medical advice.

Skin Contact: Not expected to cause skin irritation. If on skin, wash with soap and water. If you feel unwell seek immediate medical advice.

Inhalation: Unlikely to present an inhalation hazard avoid breathing mist or spray. If breathing problems develop, seek medical advice.

Advice for Medical Doctors: Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

HAZCHEM code: **2Z**

Specific Hazards: Non-flammable. Minimise the use of water to prevent environmental contamination.

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 4 of 11



## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Appropriate fire extinguishers are Water, CO <sub>2</sub> , Powder or Alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions. Avoid water jet.
Fire Fighting Advice:	Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Bund area with sand or earth to prevent contamination of drains or waterways.
Hazardous Products of Combustion:	Toxic fumes including carbon monoxide (CO) and phosphorous oxides (P <sub>x</sub> O <sub>y</sub> ).

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Use personal protective equipment. Avoid breathing mist or spray. For personal protection see section 8.
Environmental precautions:	Prevent leakage or spillage if safe to do so.
Minor Spills (Up to 20 kg):	Toxic to the aquatic environment. Contain spill 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.

## 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid prolonged or repeated contact with skin and eye. Avoid inhaling mist or spray. 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.
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# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 5 of 11



## 7. HANDLING AND STORAGE

	<p>Wash hands and face before eating, drinking or smoking. Clean equipment after use.</p> <p>Do not contaminate drains, sewers, or waterways.</p>
Conditions for safe Storage including incompatibilities:	<p>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.</p> <p>Incompatible materials for storage: galvanised steel, unlined mild steel, see section 10.</p>
Protection against fire and explosion:	<p>Keep away from heat sources although the product has no flammability. The product is not explosive. Keep away from oxidizing agents.</p>

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	<p>See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices, November 2020, edition 12-1)</p>
Engineering Controls:	<p>This product should only be mixed, contained in or sprayed by equipment made from stainless steel, fibreglass, plastic, aluminium, brass or copper.</p>
Hand protection:	<p>If repeated or prolonged contact wear chemical resistant gloves.</p>
Eye protection:	<p>If there is significant potential for contact, wear goggles or face shield.</p>
Body protection:	<p>Skin protection not ordinarily required beyond standard issue work clothes.</p>
Respiratory Protection:	<p>No special requirement when used as recommended.</p>
General safety and hygiene measures:	<p>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.</p>

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 6 of 11



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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	38641-94-0	Not established	Not established	Not established	Not established

### Additional NZ EPA controls:

Code	Section of HSNO Act	Control
Active ingredient or component specification - impurity limits, purity requirements, isomer ratios and other specifications	77A	The following limits are set for toxicologically relevant impurities in the active ingredient (glyphosate acid) used to manufacture this substance: - Formaldehyde, (CAS# 50-00-0): 1.3 g/kg maximum - Nitroso-N-phosphonomethylglycine (CAS# 56516-72-4): 1.0 mg/kg maximum
Label – additional labelling requirements	77A	The following statements, or words to the same effect, must appear on the product label and safety data sheet: · This substance must not be applied at rates exceeding 20 L/ha (equivalent to 7.2 kg glyphosate/ha) · Prevent spray drift as it may cause severe damage to non-target plants

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear amber liquid

Odour: Faint amine or odourless

Odour Threshold: No data

pH Value: 4.5-6.8

Melting/freezing point: No data

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 7 of 11



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 (glyphosate IPA)
Vapour density:	No data
Relative density:	1,170 g/l
Solubility:	Soluble
Partition coefficient:	LogP = -3.2 (low)
Auto-ignition temperature:	Not 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.
Chemical/material Incompatibilities	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly explosive gas that could explode.
Conditions to be avoided:	Avoid excessive heating
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

## 11. TOXICOLOGICAL INFORMATION

Hazard Classes	Aquatic Chronic 2
Acute Toxicity (A.I.):	Acute oral LD <sub>50</sub> = >5000 mg/kg (rat). Acute dermal LD <sub>50</sub> >2000 mg/kg (rabbit)

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 8 of 11



## 11. TOXICOLOGICAL INFORMATION

Aspiration hazard	Not considered an aspiration hazard
Skin corrosion/irritation:	Not a skin corrosive, unlikely to cause irritation.
Serious eye damage/irritation:	May cause eye irritation
Respiratory or skin sensitisation:	May cause irritation on inhalation of mist, or vapour Not expected to cause skin sensitisation and/or contact dermatitis
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.

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

## 12. ECOTOXICITY INFORMATION

Ecological information of substance:	Toxic to aquatic life with long-lasting effects. 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.) Not toxic to birds Non-toxic to bees
Bioaccumulation potential:	Not expected to be bioaccumulate



# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 9 of 11



## 12. ECOTOXICITY INFORMATION

Soil Toxicity and degradability:	Not toxic to worms. DT <sub>50</sub> (field) 6.45 days (A.I.)
Mobility in soil	Non-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 waste land.
Container Disposal:	Empty containers can be recycled or sent to landfill after triple rinsing (adding rinsing to spray container). DO NOT reuse or burn containers.
Methods of disposal to avoid	Do not empty in to streams, surface water or down stormwater system

## 14. TRANSPORT INFORMATION

### Road, Rail; Marine and Air:

UN Number:	3082
UN Dangerous Goods Class:	Class 9
Hazchem Code:	2Z
UN Packaging Group:	II
UN Proper Shipping Name:	Environmentally Hazardous Substance, Liquid N.O.S. (Glyphosate 360g/l SL) Marine Pollutant
Segregation:	Not applicable

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 10 of 11



## 15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	<i>HSR101102</i>
GHS Classifications:	<i>Aquatic chronic 2</i>
HSNO Controls:	<i>Refer to HSR101102</i>
Other Controls	<i>Not a tracked substance. Does not require a certified handler certificate. Maximum quantity in a passenger service vehicle - 10-litres. Secondary containment and an emergency response plan required when storing &gt;1,000-litres</i>

## 16. OTHER INFORMATION

SDS date of preparation: **15 / 12 / 2021**

SDS date of revision: **15 / 12 / 2026**

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.

# SAFETY DATA SHEET

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

Print/View Date: 15/12/2021

Page 11 of 11



## **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

P Phrase: Precautionary phrase