

SAFETY DATA SHEET

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

Print/View Date: 16/05/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	McGregor's Weed Out Weed Killer Spray
Recommended uses:	Herbicide – liquid concentrate
Restrictions on Use/Supply	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:	info@ahm.co.nz
Website:	www.ahm.co.nz
Emergency Contact Numbers:	0800 764 766 (0800 POISON)
National Poisons Centre:	0800 764 766 (0800 POISON)

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2. HAZARDS IDENTIFICATION

GHS 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 ^b 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: Rinse container and dispose to landfill or recycling where allowed. Any appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Notice 2017. Do NOT burn.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Pale amber coloured liquid.

Ingredients

Ingredients	CAS #	Content %
Glyphosate as the isopropyl amine salt	38641-94-0	35-37%
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. Drink one or two glasses of milk and water. Seek medical advice or call NZ Poisons Centre on 0800 764 766. If medical advice is needed have product label at hand.

Eye Contact: Unlikely to cause eye irritation. Rinse opened eye for several minutes under running water. If irritation develops, 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. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice.

Inhalation: Unlikely to present an inhalation hazard. If breathing problems 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: 2Z

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Specific Hazards:	None. Minimise the use of water to prevent environmental contamination.
Suitable Extinguishing Media:	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). 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:	Toxic fumes including Carbon monoxide and Phosphorus oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Use personal protective equipment. Avoid breathing mist, or spray. Ensure adequate ventilation. 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 bulk, 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,
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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. Do not allow product to get wet in storage.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

See 'Exposure limits' below (Workplace Exposure Standards and Biological Exposure Indices, November 2020, edition 12-1)

Engineering Controls:

No special requirements when used as recommended.

Hand protection:

If repeated or prolonged contact wear chemical resistant gloves.

Eye protection:

If there is significant potential for contact, wear dust goggles.

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.

Environmental Exposure Controls:

Minimise release to the environment.

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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	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
Boiling point (range):	>100°C
Flash Point:	Will not flash.
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	0.007 (glyphosate IPA)
Vapour density:	No data
Relative density:	1170g/L
Solubility:	Soluble
Partition coefficient:	LogP=-3.2 (low)

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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.
Incompatibility or conditions to be avoided:	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly explosive gas that could explode.
Corrosive Properties:	Not corrosive to eyes or skin.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Classes	Not toxic to mammals
Acute Toxicity:	Acute oral LD ₅₀ = >5000 mg/kg (rat). Acute dermal LD ₅₀ >2000 mg/kg (rabbit)
Aspiration hazard	Not considered an aspiration hazard
Skin corrosion/irritation:	Not a skin corrosive.
Serious eye damage/irritation:	Unlikely to cause eye irritation.
Respiratory or skin sensitisation:	Unlikely cause skin sensitisation and/or contact dermatitis
Germ cell mutagenicity:	No data available
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

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Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	Not applicable
Specific organ toxicity – repeated exposure:	Not applicable
Narcotic effects:	No data available.

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 with long lasting effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Bluegill sunfish, LC ₅₀ (96 hr) 45 mg/L Water Flea, EC ₅₀ (48 hr) 134 mg/L
Bioaccumulation potential:	This product is not likely to bioaccumulate
Soil Toxicity and degradability:	No soil toxicity.

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.
Container Disposal:	Empty containers can be recycled or sent to landfill after cleaning if in compliance with local and national regulations. DO NOT reuse containers. DO NOT burn.
Methods of disposal to avoid	Do not empty 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:	2Z
UN Packaging Group:	III
UN Proper Shipping Name:	Environmentally hazardous substance Liquid, N.O.S. (Glyphosate 360g/L)
Segregation:	Not applicable

15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	HSR101102
GHS Classifications:	Aquatic Chronic 2
HSNO Controls:	Refer to HSR101102
Other Controls	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 >1,000-litres

16. OTHER INFORMATION

SDS date of preparation: 13 / 05 / 2022

SDS date of revision: 13 / 05 / 2022

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, or contact the supplier of the starting materials.

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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
EC:	European Commission
EU:	European Union
GHS:	Global Harmonized System
H Phrase:	Hazard Phrase
HSNO:	Hazardous Substances and New Organisms (1996) Act
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
IMDG:	International Maritime Dangerous Goods
P Phrase:	Precautionary Phrase
RID:	Regulations concerning the International carriage of Dangerous good by rail
STEL:	Short-Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average