

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 1 of 11



1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	McGregor's Hydrocotyle Lawn Weed Control
Recommended uses:	Herbicide
Restrictions on Use/Supply	None
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)

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 2 of 11



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
Eye Irrit. 2	Not applicable for the UN RTDG Model Regulations		Warning	H319	P103 ^b P264 P280	P305+P351+P338 P337+P313	No storage statements	P501
Skin Sens. 1	Not applicable for the UN RTDG Model Regulations		Warning	H317	P103 ^b P261 P272 P280	P302+P352 P333+P313 P321 P363	No storage statements	P501
STOT Rep. Exp. 2	Not applicable for the UN RTDG Model Regulations		Warning	H372	P103 ^b P260	P314	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 ^b P273	P391	No storage statements	P501
Aquatic Chronic 1			Warning	H410	P103 ^b P273	P391	No storage statements	P501

Signal word:

WARNING

Dangerous Goods:

Dangerous Goods (Class 9)

Packaging Group:

III

GHS Codes:

Eye Irritation Cat. 2

Skin Sensitisation Cat. 1

Specific Target Organ Toxicity Repeated Exposure Cat. 2

Aquatic Acute Cat. 1

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 3 of 11



Aquatic Chronic Cat. 1

Pictograms:



Hazard Statement:

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H373: May cause damage to kidney through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.

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

P260: Do not breathe mist/spray.

P261: Avoid breathing mist/spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P314: Get medical advice/attention if you feel unwell.

P321: Specific treatments (refer to the first aid section on this label).

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 4 of 11



P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear amber liquid.

Ingredients

Ingredients	CAS #	Content %
Triclopyr butoxyethyl ester	64700-56-7	12%
Diethylene glycol monoethyl ether	111-90-0	>60%
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: If ingested drink one or two glasses of milk or 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: Can cause serious eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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: May cause skin sensitisation. Rinse skin with copious amounts of water and wash with soap and water. If you feel unwell seek immediate medical advice and have product label at hand.

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 5 of 11



Inhalation: 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: 3Z

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: No data for the mixture.
Diethylene glycol monoethyl ether emits acrid smoke and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Do not breath vapours, 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): Avoid release to the environment. Contain spill and collect.

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 6 of 11



Major Spills (more than 20 kg):

Wear PPE. Minimise spread. Contain spill and absorb using soil, sand, or other inert materials. 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 spray or mist. 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, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways. Do not eat drink or smoke while using this product.

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:

No exposure standards apply to this product.

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 safety goggles or a full-face shield.

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 7 of 11



Body protection:	Skin protection not ordinarily required beyond standard issue work clothes.
Respiratory Protection:	Use a breathing apparatus (respirator/mask) to avoid inhaling mist or spray.
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. Wash contaminated clothing before reuse.
Environmental Exposure Controls:	Minimise release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear amber liquid
Odour:	Mild odour
Odour Threshold:	No data
pH Value:	6-8 (1% emulsion)
Melting/freezing point:	No data
Boiling point (range):	No data
Flash Point:	>100°C
Flammability:	Not applicable
Explosive limits:	No data
Vapour pressure:	No data
Vapour density:	>1 (heavier than air)
Relative density:	No data
Solubility:	Emulsifiable in water
Partition coefficient:	No data

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 8 of 11



Auto-ignition temperature: No data

Decomposition temperature: No data

Viscosity: No data

10. STABILITY AND REACTIVITY

Stability & Chemical reactivity: Stable under normal conditions of use. Not explosive or oxidising.

Incompatibilities or conditions to avoid: Containers should be kept closed to avoid contamination. Keep away from extreme heat and open flames.

Corrosive Properties: Not corrosive to eyes or skin.

Thermal Decomposition: Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Classes Eye Irrit. 2; Skin Sens. 1, STOT Rep. Exp. 2

Acute Toxicity: No data for the mixture.

Triclopyr butoxyethyl ester:

Acute oral LD₅₀ >300 mg/kg (rat).

Acute dermal LD₅₀ >5000 mg/kg (rat)

Diethylene glycol Monoethyl ether:

Acute oral LD₅₀ = 5500µL/kg (rat).

Acute dermal LD₅₀ = 6mL/kg (rat)

Aspiration hazard May cause irritation on inhalation of mist, gas, or vapour

Skin corrosion/irritation: Unlikely to cause skin corrosion/irritation.

Serious eye damage/irritation: Can cause serious eye irritation

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 9 of 11



Respiratory or skin sensitisation:	May 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.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific organ toxicity – single exposure:	No data available
Specific organ toxicity – repeated exposure:	Kidney
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 term and short term effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Triclopyr butoxyethyl ester: Rainbow trout, LC ₅₀ (96 hr) 980 mg/L Water Flea, EC ₅₀ (48 hr) = 1700mg/L
Bioaccumulation potential:	This product does not have the potential to bioaccumulate
Soil Toxicity and degradability:	No soil toxicity. Diethylene glycol monoethyl ether: Half-life 5- 20 days

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.
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SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 10 of 11



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

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number: 3082

UN Dangerous Goods Class: Class 9

Hazchem Code: 3Z

UN Packaging Group: III

UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triclopyr Butoxyethyl Ester 12%)

Segregation: Food, Feed and Oxidising substance

15. N.Z. REGULATORY INFORMATION

HSNO approval Number: HSR100499

GHS Classifications: Eye Irrit. 2; Skin Sens. 1; STOT Rep. Exp. 2; Aquatic Acute 1, Aquatic Chronic 1

HSNO Controls: Refer to HSR100499

Other Controls: Stores containing more than 100-litres require secondary containment, signage and an emergency management plans.

SAFETY DATA SHEET

Product Name: *McGregor's Hydrocotyle Lawn Weed Control*

Print/View Date: 16/05/2022

Page 11 of 11



16. OTHER INFORMATION

SDS date of preparation: 11 / 05 / 2022

SDS date of revision: 11 / 05 / 2027

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.

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