

SAFETY DATA SHEET

Product Name: *McGregor's Moss Control*

Print/View Date: 16/05/2022

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1. PRODUCT AND COMPANY INFORMATION

Chemical/Product Name:	McGregor's Moss Control
Recommended uses:	Pesticide: Moss control
Molecular Formula:	Mixture- Concentrate
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
Acute Tox.4 (oral)	Not applicable for the UN RTDG Model Regulations		Warning	H302	P102 P103 ^b P264 P270	P101 ^b P301+P312 P330	No storage statements	P501
Acute Tox. 4 (dermal)	Not applicable for the UN RTDG Model Regulations		Warning	H312	P102 P103 ^b P280	P101 ^b P302+P352 P312 P322 P363	No storage statements	P501
Skin Corr. 1B			Danger	H314	P102 ^b P103 ^b P260 P264 P280	P101 ^b P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338	P405	P501
Eye Damage 1	Not applicable for the UN RTDG Model Regulations		Danger	H318	P102 ^b P103 ^b P280	P101 ^b P305+P351+P338 P310	No storage statements	P501
Aquatic Acute 1			Warning	H400	P103 ^b P273	P391	No storage statements	P501

Signal word: DANGER

Dangerous Goods: Dangerous Goods (Class 8)

Packaging Group: III

GHS Codes: Acute Toxicity Oral Cat.4
Acute Toxicity Dermal Cat.4
Skin Corrosion Cat. 1B
Eye Damage Cat. 1
Aquatic Acute Cat.1

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Pictograms:



Hazard Statement:

H302: Harmful if swallowed.

H312: Harmful in contact with skin

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

Hazardous to terrestrial vertebrates.

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.

P264: Wash hands thoroughly after handling.

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

P273: Avoid release to the environment.

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

P310: Immediately call a POISON CENTRE or a doctor/physician.

P312: Call a POISON CENTRE pr doctor/physician if you feel unwell.

P321: Specific treatment (refer to first aid treatment on label).

P322: Specific measures.

P330: Rinse mouth.

P353: Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P391: Collect spillage.

P301+P312: IF SWALLOWED: Call a POISON CENTRE pr doctor/physician if you feel unwell

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

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P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P405: Store locked up.

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: Amber liquid

Ingredients

Ingredients	CAS #	Content %
Benzalkonium chloride	8001-54-5	50%
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 immediate 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: Can cause serious eye damage. 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.

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Skin Contact:	Can cause severe skin burns. Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.
Inhalation:	Harmful if inhaled. Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing problems persists, 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:	2X
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:	Thermal decomposition may lead to release of irritating gases and vapours.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Use personal protective equipment. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions:	Prevent leakage or spillage if safe to do so.

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Minor Spills (Up to 20 kg):	Toxic to aquatic life. 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 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 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, drinking, or smoking. Clean equipment after use. Do not contaminate drains, sewers, or waterways. Do not eat drink or smoke when using this product.
Conditions for safe Storage including incompatibilities:	Store in secure locked cabinet / area. 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. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:	No exposure standards apply to this product
Engineering Controls:	No special requirements when used as recommended.

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Hand protection:	If repeated or prolonged contact wear chemical resistant gloves.
Eye protection:	If there is significant potential for contact, wear safety goggles or full-face shield to avoid splashes.
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. 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:	7.5-10
Melting/freezing point:	No data
Boiling point (range):	~100°C
Flash Point:	No data
Flammability:	Not applicable
Explosive limits:	Not applicable
Vapour pressure:	No data
Vapour density:	No data
Relative density:	~1.02g/mL

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Solubility:	Soluble in water
Partition coefficient:	No data
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.
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:	Skin corrosive.
Thermal Decomposition:	Hazardous products of combustion; see section 5 for details.

11. TOXICOLOGICAL INFORMATION

Hazard Classes	Acute Tox. 4 (Oral, Dermal); Skin Corr. 1B; Eye Damage 1
Acute Toxicity:	No data for the mixture Benzalkonium chloride: Acute oral LD ₅₀ = 240 mg/kg (rat).
Aspiration hazard	May cause irritation on inhalation of mist, gas, or vapour
Skin corrosion/irritation:	Repeated or prolonged exposure can cause skin corrosion.
Serious eye damage/irritation:	Can cause serious eye damage
Respiratory or skin sensitisation:	May cause skin sensitisation and/or contact dermatitis

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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:	No data available
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 acute effects. Do not contaminate waterways, sewers, or drains when using product or packaging. Rainbow trout, LC ₅₀ (96 hr) 0.823 mg/L Water Flea, EC ₅₀ (48 hr) 0.11 mg/L
Bioaccumulation potential:	This product is not likely to bioaccumulate
Soil Toxicity and degradability:	Hazardous to terrestrial vertebrates.

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.

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Methods of disposal to avoid

Do not empty down stormwater system

14. TRANSPORT INFORMATION

Road, Rail; Marine and Air:

UN Number:	1903
UN Dangerous Goods Class:	Class 8 (ADR/RID; IMDG; IATA/ICAO)
Hazchem Code:	2X
UN Packaging Group:	III
UN Proper Shipping Name:	Disinfectant Liquid Corrosive N.O.S
Segregation:	Food items, organic peroxides, oxidising substances and explosives and strong acids.

15. N.Z. REGULATORY INFORMATION

HSNO approval Number:	HSR000822
GHS Classifications:	Acute Tox. 4 (Oral, Dermal); Skin Corr. 1B; Eye Damage 1; Aquatic Acute 1
HSNO Controls:	Refer to HSR000822
Other Controls	None

16. OTHER INFORMATION

SDS date of preparation:	16 / 05 / 2022
SDS date of revision:	16 / 05 / 2027

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

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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