## 1. PRODUCT AND COMPANY INFORMATION

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|---|---|
| **Chemical/Product name:** | **McGregor's Woody & Bulbous Weed Killer Gel** |
| Recommended uses: | Herbicide |
| Restrictions on use/supply | The substance must not be directly applied into or onto water. |
| 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) |

## 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 |
| Skin Sens. 1 | Not applicable for the UN RTDG Model Regulations |  | Warning | H317 | P103<br>P261<br>P272<br>P280 | P302 + 352<br>P321<br>P333 + 313<br>P363 | No storage statements | P501 |
| STOT Rep. Exp. 2 | Not applicable for the UN RTDG Model Regulations |  | Warning | H373 | P103<br>P260 | P314 | No storage statements | P501 |

Signal word: WARNING

Dangerous Goods: Not a Dangerous Goods

Packaging Group: Not applicable. Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017.

Hazardous Substance (GHS) Codes: Skin Sensitisation Cat. 1

Specific Target Organ Toxicity (repeated exposure) Cat. 2

Hazardous to soil organisms.

Pictograms:



Hazard statements: H317: May cause an allergic skin reaction.

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

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 vapours.

P261: Avoid breathing vapours.

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

P280: Wear protective gloves.

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

P314: Get medical advice if you feel unwell.

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

P363: Wash Contaminated clothing before reuse.

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: Red translucent gel.

**Ingredients**

| Ingredients | CAS # | Content % |
|---|---|---|
| Picloram (as potassium salt) | 2545-60-0 | 5 |
| 1,2-benzisothiazol-3(2H)-one | 2634-33-5 | <0.1 |
| 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 or call National Poisons Centre on 0800 764 766 (show the label where possible).

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|---|---|
| Ingestion: | If swallowed, rinse mouth and drink 1-2 glasses of water or milk. Do NOT induce vomiting. If you feel unwell, get medical advice and have product label at hand. |
| Eye contact: | Unlikely to cause eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation develops, get medical advice and have product label at hand. |
| Skin contact: | May cause an allergic skin reaction. Wash exposed skin with soap and water. If skin irritation or rash occurs, get medical advice and have product label at hand. |
| Inhalation: | Unlikely to present an inhalation hazard. If breathing problems develop, get medical advice and have product label at hand. |
| Advice for medical doctors: | Treat symptomatically |

## 5. FIRE FIGHTING MEASURES

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|---|---|
| HAZCHEM code: | 2Z |
| Specific hazards: | None. Minimise the use of water to prevent environmental contamination. |
| Suitable extinguishing media: | Appropriate fire extinguishers are water spray (fog), $CO_2$, powder, or alcohol resistant foam. Use extinguishing media appropriate to the surrounding conditions. |
| Firefighting advice: | Firefighters 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: | Carbon oxides (CO, $CO_2$), nitrogen oxides ($NO_x$), and hydrogen chloride gas (HCl). |

## 6. ACCIDENTAL RELEASE MEASURES

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|---|---|
| Personal precautions, protective equipment, and emergency procedures: | For personal protection see section 8. |
| Environmental precautions: | Prevent leakage or spillage if safe to do so. |
| Minor spills (up to 20 kg): | Contain spill and collect in a sealable container for disposal. |
| 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.<br>Collect in an appropriate sealable container for disposal in an approved landfill or incinerate at an authorised installation. |

## 7. HANDLING AND STORAGE

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|---|---|
| Precautions for safe handling: | Avoid prolonged or repeated contact with skin. Avoid inhaling vapours. 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. Do not allow product to get wet in storage.<br>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

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| Exposure Standards: | See 'Exposure Standards' below (Workplace Exposure Standards and Biological Exposure April 2022, Edition 13). |
| Engineering Controls: | No special requirements when used as recommended. |
| Hand protection: | Wear chemical resistant gloves. |
| Eye protection: | No special requirements when used as recommended. |
| Body protection: | Skin protection not ordinarily required beyond standard issue work clothes. Wash contaminated clothing before reuse. |
| Respiratory Protection: | No special requirement when used as recommended. Avoid breathing vapours. |
| 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:**

| | | TWA | | STEL | |
|---|---|---|---|---|---|
| **Substance** | **Cas #** | **ppm** | **mg/m$^3$** | **ppm** | **mg/m$^3$** |
| Picloram | 1918-02-1 | | 10 | | |

**Additional NZ EPA controls:**

| Code | Section of HSNO Act | Control |
|---|---|---|
| Water | 77A | Clause 52 of the Hazardous Property Controls Notice applies to this substance as if it is an agrichemical that is in the hazard class hazardous to the aquatic environment:<br>Do not apply directly into or onto water. |

| | | |
|---|---|---|
| Qualifications | 77A | Clause 64 of the Hazardous Property Controls Notice does not apply to this substance:<br>No qualifications required for application. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| Appearance: | Red translucent gel |
| Odour: | No specific odour. |
| Odour Threshold: | No data |
| pH Value: | 7.5 – 9.0 |
| Melting/freezing point: | No data |
| Boiling point (range): | >100 °C |
| Flash Point: | Will not flash. |
| Flammability: | Not applicable |
| Explosive limits: | No data |
| Vapour pressure: | No data |
| Vapour density: | No data |
| Relative density: | 1030 g/l |
| Solubility: | Soluble |
| Partition coefficient: | No data |
| Auto-ignition temperature: | Not applicable |
| Decomposition temperature: | 225°C |
| Viscosity: | 12,500 to 20,000 cps |

## 10. STABILITY AND REACTIVITY

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|---|---|
| Stability & Chemical reactivity: | Stable under normal conditions of use. Not explosive or oxidising. |
| Incompatibility or conditions to be avoid: | Avoid mixing with strong acids, alkalis, and oxidising agents. Avoid excessive heating. |
| Corrosive Properties: | Not corrosive to eyes or skin. |
| Thermal Decomposition: | Hazardous products of combustion; see section 5 for details. |

## 11. TOXICOLOGICAL INFORMATION

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|---|---|
| Hazard Class: | Skin Sensitisation Cat. 1<br>Specific Target Organ Toxicity (repeated exposure) Cat. 2 |
| Acute Toxicity: | No data for mixture.<br>Picloram:<br>Acute oral $LD_{50}$ (rat) = 4012 mg/kg<br>Acute dermal $LD_{50}$ (rat) >2000 mg/kg<br><br>1,2-benzisothiazol-3(2H)-one:<br>Acute oral $LD_{50}$ (rat) = 1020 mg/kg<br>Acute dermal $LD_{50}$ (rat) >2000 mg/kg |
| Aspiration hazard | May cause irritation on inhalation of mist, gas, or vapour. |
| Skin corrosion/irritation: | Repeated or prolonged exposure may cause skin irritation. |
| Serious eye damage/irritation: | Unlikely to cause eye irritation. |
| Respiratory or skin sensitisation: | May cause skin sensitisation and/or contact dermatitis |
| Germ cell mutagenicity: | No data available |

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|---|---|
| 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 suspected to cause reproductive or developmental effects. |
| Specific organ toxicity – single exposure: | Not applicable. |
| Specific organ toxicity – repeated exposure: | Causes damage to liver through prolonged or oral repeated exposure. |
| 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

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|---|---|
| Ecological information of substance: | Hazardous to soil organisms. Do not contaminate waterways, sewers, or drains when using product or packaging.<br>No data for mixture.<br>Picloram:<br>Rainbow trout $LC_{50}$ (96 hr) = 8.8 mg/l<br>Water flea $LC_{50}$ (48 hr) = 44.2 mg/l<br><br>1,2-benzisothiazol-3(2H)-one:<br>Rainbow trout $LC_{50}$ (96 hr) = 1.6 mg/l<br>Water flea $LC_{50}$ (48 hr) = 4.4 mg/l |
| Bioaccumulation: | BCF >1. Not likely to bioaccumulate. |
| Soil toxicity: | No soil toxicity. Half-life 1-2 days. |
| Mobility in soil | Moderate mobility potential. Non-persistent in soils. |

## 13. DISPOSAL CONSIDERATIONS

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|---|---|
| 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 empty down stormwater system.<br>DO NOT reuse containers. DO NOT burn. |

## 14. TRANSPORT INFORMATION

**Road, Rail; Marine and Air:**

| | |
|---|---|
| UN Number: | Not applicable. |
| Dangerous Goods Class: | No restriction for transport. |
| Hazchem Code: | 2Z |
| Packaging Group: | Not applicable. Packaging must comply with Part B, clause 8 – Hazardous Substances (Packaging) Notice 2017. |
| Proper Shipping Name: | Not applicable. |
| Segregation: | Not applicable. |

## 15. N.Z. REGULATORY INFORMATION

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|---|---|
| EPA HSNO Number: | HSR000552. |
| GHS Classifications: | Skin Sensitisation Cat. 1<br>Specific Target Organ Toxicity (repeated exposure) Cat. 2<br>Hazardous to soil organisms. |

| | |
|---|---|
| HSNO Controls: | Refer to HSR000552. |
| Additional Controls: | Do not apply directly into or onto water. No qualifications required for application. |

## 16. OTHER INFORMATION

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|---|---|
| SDS date of preparation: | 22 / 09 / 2026 |
| SDS date of revision: | 22 / 09 / 2031 |

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) website, 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 |