


Buckshot Herbicide

1. PRODUCT & COMPANY IDENTIFICATION

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| Product Identification/Name: | Buckshot |
| Product Use: | Herbicide |
| Company Identification: | Rainbow & Brown Limited 68A Tallyho Street, Rotorua, New Zealand PO Box 10049, Mail Centre, Rotorua, 3046 |
| Telephone: | +64 7 350 2009 |
| Fax: | +64 7 350 2008 |
| Toll-Free Phone: | 0508 299 299 |
| After Hours Emergency | +64 27 498 2574 |
| National Poisons Centre | 0800 764 766 |
| Website: | www.rainbowbrown.co.nz |
| Date of Issue: | 26 November 2018 |
| Latest Revision Date: | 26 November 2018 |

2. HAZARDS IDENTIFICATION

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| Classification of the substance or mixture (HSNO): | 6.4A – Causes serious eye irritation 6.5B – Contact sensitiser 9.1D – May be harmful in the aquatic environment 9.2A – Very ecotoxic in the soil environment |
| Classification of the substance or mixture (GHS): | Skin sensitization Category 1 Aquatic toxicity (chronic) Category 4 There is no GHS equivalent classification for soil toxicity. |
| Label Elements: | |
| Pictogram |  |
| Signal Word | WARNING |

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| Hazard Statements | H317 May cause an allergic skin reaction. H319 Causes serious eye irritation H413 May cause long lasting harmful effects to aquatic life. H421 Very toxic to the soil environment. |
| Precautionary Statements Prevention: | P103 – Read label before use. P261 – Avoid breathing dust. P264 – Wash hands thoroughly after handling. P272 – Contaminated work clothing should not be allowed out of the workplace. P280 – Wear protective gloves. P273 – Avoid release to the environment. |
| Response: | P305+P351+P338 – IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention. P302 + P352 – IF ON SKIN: Wash with plenty of soap and water. P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention. P321 – Specific treatment (see first aid instructions on this label). P363 – Wash contaminated clothing before reuse. P391 – Collect spillage. |
| Disposal: | P501 – In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS. |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Main Component | CAS Number | Concentration |
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| Picloram triethanolamine salt | 82683-78-1 | 3.24% |
| Ingredients not contributing to hazard | | Balance |

4. FIRST AID MEASURES

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| Eye Contact: | Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists. |
| Skin: | Wash skin with plenty of soap and water, while removing contaminated clothing and shoes. Wash contaminated clothing before re-use. Seek medical attention if skin irritation develops and persists. |
| Ingestion: | Do not induce vomiting unless directed to do so by doctor/physician. Rinse mouth. Do not give anything by mouth to an unconscious person. |
| Inhalation: | If dust is inhaled, remove to fresh air. If effects persist seek medical attention. |
| Advice to Doctor: | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

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| Flash Point: | Not applicable |
| Flammable Limits: | Not flammable |
| Extinguishing Media: | Water spray, dry chemical, alcohol resistant foam, CO ₂ |
| Fire & Explosion Hazards: | Not a fire or explosion hazard. |
| Fire Fighting Equipment: | Use self-contained breathing apparatus. |
| Fire Fighting Instructions: | Do not allow runoff to drains. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions: | Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Use appropriate protective clothing and equipment. |
| Spills: | <p>Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release. Avoid dust formation. Avoid release to the environment.</p> <p>Shovel or sweep up spill and place into a container for disposal.</p> <p>Label disposal containers. Dispose of waste in</p> |

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| | accordance with Section 13. |
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7. HANDLING AND STORAGE

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| Label: | N/A |
| Handling: | Avoid dust formation. Avoid contact with skin and eyes. Avoid inhaling dust. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash hands and face before entering eating areas. Wash clothing after use. |
| Storage: | Store in tightly closed original container in a cool, dry, well-ventilated and secure area when not in use. Do not store with food, feedstuffs, seeds or fertilisers. |

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

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| Exposure Guidelines: | No established workplace exposure standard in NZ. |
| Engineering Controls: | Normal room ventilation is sufficient. |
| Respiratory Protection: | No special precautions are necessary for respiratory protection under normal handling conditions. If exposed to unusually high dust concentrations, then use an approved dust respirator. |
| Skin Protection: | Wear protective clothing and chemical resistant gloves while handling. |
| Eye Protection: | Wear safety glasses with side shields while handling. |
| Dust: | Recommend TWA of 10mg/m ³ for dust exposure as a safe guideline. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Light tan granule |
| Odour: | Not available |
| Odour Threshold: | Not determined |
| Boiling Point: | Not available |
| Melting point: | Not available |
| Freezing point: | Not available |
| pH: | Not available |
| Solubility: | Water - slight |

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| Evaporation rate: | Not determined |
| Flash Point: | Not applicable |
| Flammability: | Not flammable or combustible |
| LEL/UEL: | Not applicable |
| Vapour Pressure: | 0.082 mPa at 35°C (Picloram acid) |
| Decomposition Temperature: | Not available |
| Autoignition Temperature: | Not determined |
| Density: | 1230 g/L |
| Partition Coefficient: | Not determined |
| Viscosity: | Not applicable |

10. STABILITY AND REACTIVITY

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| Stability: | Stable under normal conditions. |
| Reactivity: | Not reactive under normal conditions of use. |
| Conditions to Avoid: | No special requirements. |
| Incompatibility: | Avoid strong oxidisers. Keep away from food, feedstuffs, seeds and fertilisers. |
| Hazardous Decomposition Products: | Oxides of nitrogen, hydrogen chloride gas, may be formed. |
| Hazardous Polymerisation: | Will not occur. |

11. TOXOLOGICAL INFORMATION

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| ACUTE EFFECTS: | |
| Acute Effects: Ingestion: | LD ₅₀ > 5000 mg/kg. |
| Acute Effects: Inhalation: | Not expected to be harmful by inhalation under normal conditions of use. |
| Acute Effects: Skin: | Not expected to be a skin irritant. |
| Acute Effects: Eye: | Not expected to be an eye irritant. |
| Sensitisation: | Product is a skin sensitiser, may produce an allergic skin reaction. |
| CHRONIC EFFECTS: | |
| Carcinogenicity, Reproductive Toxicity, or Mutagenicity: | No known carcinogenic, reproductive/developmental or mutagenic effects. |
| Specific Target Organ Toxicity: | No known effects. |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity: | LC ₅₀ >1 but ≤ 100 mg/L May be harmful to aquatic life. Avoid losses to the environment wherever possible. |
| Persistence/degradability: | Not persistent. |
| Bioaccumulation: | Not bioaccumulative |
| Soil toxicity: | Very ecotoxic in the soil environment. Soil DT ₅₀ > 30 days. |
| Terrestrial vertebrates: | Not classified as ecotoxic to terrestrial vertebrates |
| Terrestrial invertebrates: | Not classified as ecotoxic to terrestrial invertebrates |
| Mobility: | Very mobile |

13. DISPOSAL CONSIDERATIONS

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| Disposal Method: | Do not dispose of product down drains or sewers. Dispose via an approved waste disposal contractor. |
| Container Disposal: | Triple rinse empty containers before disposal. Recycle through an approved recycling facility or dispose of via an approved waste disposal contractor. |

14. TRANSPORT INFORMATION

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| Dangerous Goods Classification: | Not classified as a Dangerous Good for transport in accordance with NZS5433:2012, IMDG or IATA. |
| Shipping Name: | N/A |
| Class: | N/A |
| UN Number: | N/A |
| Packaging group: | N/A |
| Marine Pollutant: | N/A |
| EmS Code: | N/A |

15. REGULATORY INFORMATION

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| ACVM Registration No: | P7717 |
| EPA Approval No: | HSR000554 |
| Assignment Description: | Granule containing 20 g/kg picloram as the amine salt |
| Certified Handler: | Not required |
| Tracking: | Not required |
| Compliance Certificate: | Not required |
| Quantity that must be secured: | Not required |
| Emergency Response Plan: | Not required |
| Secondary Containment: | Not a pooling substance. |
| Signage: | 100kg |
| Fire Extinguishers: | No fire extinguisher requirement specified. |
| Training requirements: | All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance in accordance with Clause 4.5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017. |

16. OTHER INFORMATION

| Glossary | |
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| AEL | Acceptable Exposure Limit |
| DT₅₀ | Time (days) for 50% loss |
| EC₅₀ | Median effective concentration |
| EEL | Environmental Exposure Limit |
| EPA | Environment Protection Authority |
| GHS | Globally Harmonised System |
| HSNO | Hazardous Substances & New Organisms Act |
| Koc | Organic carbon partition coefficient |
| LFL | Lower Flammability Limit |
| LC₅₀ | Lethal Concentration in air or water for 50% of test organisms |
| LD₅₀ | Lethal Dose for 50% of test organisms |
| NOEL | No Observable Effect Level |
| OSHA | Occupational Safety & Health Administration (USA) |

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| OSH or Worksafe | Worksafe New Zealand |
| PEL | Permissible Exposure Level |
| Pow | Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.) |
| pH | Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali) |
| STEL | Short Term Exposure Limit |
| TEL | Tolerable Exposure Limit |
| TLV | Threshold Limit Value – an exposure limit set by a competent authority |
| TWA | Time Weighted Average – average concentration of a chemical in air over a total exposure time (usually 8 hours) |
| UFL | Upper Flammability Limit |
| WES | Workplace Exposure Standard – set by WorkSafe NZ |

The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturer if in doubt), be guided by the most hazardous of the substances involved and observe the more stringent of all hazard controls applicable to the products used.

Date of Safety Data Sheet: 26 November 2018

Reason for Revision: Review and update to new legislative requirements.

Further Information: Rainbow & Brown Limited
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