



MCPA 750 Herbicide

1. PRODUCT & COMPANY IDENTIFICATION

Product Identification: MCPA 750
Product Use: Herbicide
Company Identification: Rainbow & Brown Limited
68A Tallyho Street, Rotorua, New Zealand
PO Box 10049, Mail Centre, Rotorua, 3046
Telephone: (07) 350 2009
Fax: (07) 350 2008
Toll-Free Phone: (0508) 299 299
Website: www.rainbowbrown.co.nz
Date of Issue: July 2015

2. HAZARDS IDENTIFICATION

Hazard Classifications: 6.1D, 6.9A, 8.3A – 9.1A, 9.2A and 9.3B
Hazard Descriptions: Refer to sections 11, 12 and 15 below.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<i>Ingredient</i>	<i>CAS Number</i>	<i>Proportion</i>
• MCPA as dimethylamine salt	2039-46-5	77.5%
• Balance including dimethylamine	124-40-3	to 100%

4. FIRST AID MEASURES

Eyes: Flush with cold water immediately for at least 15 minutes. Seek medical advice.
Skin: Wash skin well with soap and water. Wash contaminated clothing before re-use.
Ingestion: If in mouth, rinse with water. Contact a doctor, or the National Poisons Information Centre ... (0800 POISON – 0800 764 766).
Inhalation: If ill-effects occur move to fresh air and seek medical attention.
Advice to Doctor: No specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point:	None. Not flammable
Flammable Limits:	LFL Not Applicable UFL Not Applicable
Extinguishing Media:	Water spray, dry chemical, foam, CO ₂
Fire & Explosion Hazards:	None
Fire Fighting Equipment:	Use self-contained breathing apparatus and full protective clothing.
Fire Fighting Instructions:	Extinguish as above. Addition of water may cause excessive foaming. Contain run-off to prevent it from entering drains or waterways.
HAZCHEM:	2X

6. ACCIDENTAL RELEASE MEASURES

Spills:	Absorb with material such as sand, soil or sawdust. Dike to contain larger spills.
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7. HANDLING AND STORAGE

Handling:	Read the storage/handling precautions on the product label. Avoid eye, skin & clothing contact. Avoid inhaling vapour, dust or spray mist. After work, remove protective clothing and equipment, wash hands before eating, drinking, smoking or using toilet. 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, seed or fertilisers. Do not store in galvanised or unlined steel vessels.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:	No WES TEL or EEL has been set for this product by ERMA or OSHA.
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Engineering Controls:	Use only with adequate mechanical room ventilation if handling in enclosed spaces.
Respiratory Protection:	No special precautions are necessary for respiratory protection under normal handling conditions. Exposure to vapours from heated material will require an approved air-purifying respirator with organic vapour canister(s).
Skin Protection:	Wear overalls and gloves while mixing or spraying
Eye Protection:	Wear face shield/goggles while mixing or spraying

ERMA classifies this product as 6.1D (acutely toxic – low level), 6.9A

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear brown liquid
Odour:	Mild amine odour
Melting Point:	Not applicable
Specific Gravity:	1179g/L
pH:	8-10 (as is)
Vapour Pressure:	Not determined.
Corrosivity:	Not corrosive
Oxidisation:	Not an oxidiser

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Incompatibility:	Avoid strong acids, bases, oxidisers.
Hazardous Decomposition Products:	Toxic fumes under fire conditions. Hydrogen chloride and others.

11. TOXOLOGICAL INFORMATION

Potential Health Effects. This section includes the possible adverse health effects that could occur if the substance is not handled as recommended.

Acute Effects-

Skin:	Repeated exposure may cause mild skin irritation. Dermal LD50 for rabbit is >2000 mg/kg.
Ingestion:	Low toxicity by ingestion. Oral LC50 for rabbit is 1876 mg/kg.
Inhalation:	Low toxicity by inhalation.
Organs:	MCPA oral: liver and kidney Dimethylamine inhalation: lung and kidney.

ERMA classifies this product as 6.1D and 6.9A.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Highly toxic, LC50 algae 0.21 mg/L

Soil toxicity: Classified soil toxic by ERMA

Terrestrial vertebrates: LD50 birds 377 mg/kg.

ERMA classifies this product ecotoxic as 9.1A (aquatic), 9.2A (soil) and 9.3B (terrestrial vertebrates).

13. DISPOSAL CONSIDERATIONS

Disposal Method: Follow the label directions.
Triple rinse empty containers before disposal.
Do not burn empty containers that have not been rinsed. Burn in an appropriate incinerator if circumstances such as wind direction permit.
Otherwise crush or puncture and bury in a suitably approved landfill. Do not dispose of this product down drains or sewers. Follow all local, regional and national laws and regulations regarding hazardous waste disposal.

14. TRANSPORT INFORMATION

Dangerous Goods Classification: Not hazardous for transport purposes.

Shipping Name: Environmentally hazardous substance, liquid NOS (MCPA)

Class: 9

UN Number: 3082

Packaging group: III

Transport limitations: Up to 1L may be carried on a public passenger vehicle. No limitation on non-passenger vehicles. Must be transported in original sealed and labelled container.

15. REGULATORY INFORMATION

ACVM Registration No: P8173

ERMA Approval No: HSR000381

Approved Handler: Must be under the control of an approved handler during use in a wide dispersive manner, or when applied by a commercial contractor.

Tracking: Not required.

16. OTHER INFORMATION

Glossary

AEL	Acceptable Exposure Limit
DT ₅₀	Time (days) for 50% loss
EC ₅₀	Median effective concentration
EEL	Environmental Exposure Limit
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient (ml soil water/g organic carbon)
LFL	Lower Flammability Limit
LC ₅₀	Lethal Concentration in air or water for 50% of test organisms
LD ₅₀	Lethal Dose for 50% of test organisms
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH	Occupational Safety & Health service (NZ)
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 ERMA/OSH

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 manufacturers 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.

Further Information: Rainbow & Brown Limited
 Toll-Free Phone (0508) 299 299

