



SAFETY DATA SHEET
AGCARE™ M.C.P.A. 750

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identifiers

Product name: **AGCARE™ M.C.P.A. 750**
Other Name(s): Soluble concentrate containing MCPA 750 g/L present as the dimethylamine salt

1.2 Recommended use of the chemical and restrictions on use

Product Use: Selective herbicide for may broadleaf weeds.

1.3 Supplier contact details:

Company name: Grosafe Chemicals Limited
Address: 20 Jean Batten Drive Mt Maunganui, 3116
Telephone: 0800 220 002
Email: info@grosafe.co.nz

Emergency telephone number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996
HSNO Substance Approval: HSR000381
Hazard classifications: Acute toxicity oral Category 4, Eye damage Category 1,
Specific target organ toxicity (repeated exposure) Category 1,
Hazardous to soil organisms, Hazardous to terrestrial vertebrates,
Hazardous to the aquatic environment acute Category 1,
Hazardous to the aquatic environment chronic Category 1

2.2 Label elements:

Pictograms:



Signal Word: DANGER

Hazard statements:

H301 Harmful if swallowed
H318 Causes serious eye damage
H372 Causes damage to organs 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
 Hazardous to terrestrial vertebrates

Additional labelling statements required under Hazardous Substances (Labelling Notice 2017

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

Precautionary statements:

Prevention

- P102 Keep out of reach of children
- P103 Read label before use.
- P260 Do not breathe mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using
- P273 Avoid release to the environment.
- P280 Wear protective clothing, protective gloves and eye/face protection.
- P391 Collect spillage.

Response

- P101 If medical advice is needed, have product container or label at hand.
- P314 Get medical advice if you feel unwell.
- P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
- P330 Rinse mouth.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTRE or doctor.

Storage

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Disposal

- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion % w/w
MCPA acid	94-74-6	60 – 65*
Other ingredients	Trade secret	Balance

This is a commercial product whose exact ratio of components may vary slightly.

* 750 g/L MCPA present as dimethylamine salt (CAS No 2039-46-5)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information:

For advice call the National Poisons Centre, telephone 0800 POISON [0800 764 766]. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, rinse mouth with water. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

Skin Contact: Remove contaminated clothing and wash skin with plenty of soap and water. Get medical advice if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if person feels unwell.

4.2 Symptoms caused by exposure

No specific information.

4.3 Medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, CO₂, fog or foam as appropriate for surrounding materials. Contain extinguishing media to prevent runoff into drains, sewers, waterways.

5.2 Specific hazards arising from the chemical

Fire decomposition products may be toxic/harmful and/or irritating if inhaled. Evacuate people to safe area upwind of fire.

5.3 Special protective equipment and precautions for fire fighters

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Have this SDS available. In the event of a spill, wear appropriate protective clothing, eye and skin protection. Wash contaminated personal protective equipment and clothing, and dry before re-use.

6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

6.3 Methods and materials for containment and cleaning up

For small liquid spills, use absorbent material such as sand or vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal.

Clean area with water and detergent.

Dispose of contaminated materials to approved landfill in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the label before use.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Avoid contact with eyes and skin. Avoid breathing vapours or spray mist. Wear gloves and eye protection. Wash hands and exposed skin with soap and water after handling and before rest or meal breaks. Do not eat, drink or smoke when using.

Do not use spray equipment contaminated with this product for any other purpose unless first thoroughly cleaned with a suitable cleaning detergent.

7.2 Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area and out of direct sunlight. Keep away from food, drink and animal feedstuffs.

Storage of more than 100 L of this product requires an emergency response plan, secondary containment and signage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters – exposure standards, biological monitoring

Workplace Exposure Standard and Biological Exposure Indices, edition 13, April 2022.

Ingredient	TWA (mg/m ³)	STEL (mg/m ³)

No biological limits applicable.

8.2 Engineering controls

Use in well-ventilated area or outdoors.

8.3 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Eye/Face Protection: Wear safety glasses with side shields or chemical goggles.

Skin Protection: Wear impervious gloves (e.g. nitrile, butyl), and recommended to wear coveralls, socks and chemical resistant footwear. For overhead spray exposure, and recommended to wear chemical resistant headgear. Ensure all skin areas are covered.

Respirator: Use outdoors in well-ventilated area. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a type G cartridge, suitable for agricultural chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark brown liquid
Odour	Characteristic
Odour threshold	Not known
pH	9.0 – 11.0
Melting/Freezing Point	No data available
Boiling Point /Range	>100 °C
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Specific gravity	1.18 - 1.2 @ 20°C
Solubility	Soluble in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable
Particle characteristics	Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

10.3 Conditions to Avoid

Heat, storage in direct sunlight.

10.4 Incompatible materials and possible hazardous reactions

Avoid contact with oxidising materials, acids, alkalis..

10.5 Hazardous decomposition products

Fire Decomposition: Carbon dioxide, carbon monoxide, and other unspecified compounds.

10.6 Polymerisation

Not known to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

11.2 Toxicological information

Acute toxicity:	Harmful bu oral exposure.
Aspiration hazard:	Not classified.
Respiratory irritation:	No information available.
Skin corrosion/irritation	Ay be mild skin irritant.
Serious eye damage/irritation	Cause serious eye damage.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity:	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity – single/repeated exposure	Causes damage to organs (liver) through prolonged or repeated exposure.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

11.3 Toxicological data:

MCPA (active)
 Oral, rat LD₅₀ 962 mg/kg bw
 Dermal, rabbit LD₅₀ 4000 mg/kg bw
 Inhalation, rat LC₅₀ (4 hr) nose only dust >6.36 mg/L

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified as being toxic to aquatic life and with long lasting effects
 Very toxic to soil organisms. Harmful to terrestrial vertebrates.

12.2 Environmental Fate

Breakdown in soil and groundwater: Non-persistent. DT₅₀ (typical) 12.07 days.

Bioaccumulation: Not expected to bioaccumulative.

Partition coefficient (octanol/water): Not available.

Soil mobility: Likely to be mobile in soil.

12.3 Ecotoxicity data:

MCPA (active)

Fish: *Cyprinus carpio* LC₅₀ (96 h) >100 g/L
 Crustacean: *Daphnia magna* EC₅₀ (48 h) >190 mg/L
 Algae: *Pseudokircheriella subcapitata* EC₅₀ (72 hr) growth 79.8 mg/L
 Aquatic plant: *Lemna gibba* EC₅₀ (7d) growth, >3.2 mg/L
 Bird: *Colinus virginianus* LD₅₀ 377 mg/kg bw

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Refer to product label. If possible, dispose of by using according to the label. Otherwise dispose of to an approved landfill in accordance with local regulations.

13.2 Container Disposal

Refer to product label. Do not use packaging for storage of other products. Empty packaging should be disposed of to an approved recycler or crushed and sent to approved landfill.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land

Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number: 3082
UN Proper Shipping Name: ENVIRONMENTALLY HAZARODUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS MCPA 75%)
Transport hazard class(es) 9
Packing Group: III
HAZCHEM: 3Z
Special Precautions for User:
IMDG Marine pollutant: No
Transport in Bulk: -

SECTION 15: REGULATORY INFORMATION

15.1 HSNO Act 1996

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approved substance number: HSR000381

Hazardous classifications:

Controls: Refer to control on www.epa.govt.nz for complete wording for variation Controls.

Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that requires management in accordance with HSW HS Regulations:	1000 L
Quantity for secondary containment and emergency response plan:	100 L
Quantity for signage:	100 L

Certified Handler:	No
Qualified Handler:	Yes
Record keeping (3kg or more applied within 24 hours in a place where likely to enter air or water and leave application area)	Yes

Additional information: Refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

15.2 ACVM Act 1997

Registration number: P8689
 Refer to www.foodsafety.govt.nz for registration conditions.

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued	4 th May 2023
SDS supersedes	June 2012
Reason issued	Review of SDS and update to GHS hazardous classifications

16.2 ABBREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
ErC₅₀	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC₅₀	Median Lethal Concentration
LD₅₀	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

16.3 REFERENCES

EPA CCID and Approved Substance databases
 PPDB- Pesticides Properties DataBase

16.4 OTHER

AGCARE™ is a trademark of Grosafe Chemicals Ltd

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End of Safety Data Sheet