

WELLFARM MCPA AMINE 500 SL HERBICIDE

APVMA Product No: 70198**Poison Schedule:** 6**Emergency Telephone Number:**

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia)

Specialist Advice In An Emergency Only 1800 033 111 All Hours Australia Wide

In A Transport Emergency Dial 000 Police Or Fire Brigade

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Company: Wellfarm Pty Ltd
Website: www.wellfarm.com.au
Email: info@wellfarm.com.au
Postal Address: 22 Calypso Crescent, Point Cook, Vic 3030

Product Name: WELLFARM MCPA AMINE 500 SL HERBICIDE
Product Type: Group I Herbicide
Formulation Type: Soluble Concentrate
Product Use: Herbicide for the control of broadleaf weeds in fallow before direct drilling or sowing of cereal crops and pastures; and in cereal crops, pastures, sugarcane, peanuts and non-agricultural areas as Direction for Use Table.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion
MCPA (Present as the dimethylamine salt)	94-74-6	500g/L
Water		to 100%

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour: Clear red brown liquid.

Odour: Ammoniacal odour

Boiling Point: >100°C at 100kPa

Freezing/Melting Point: <-50C

Volatile Components: 38% (water)

Vapour Pressure: 16 mmHg (for water), MCPA amines are non-volatile.

Specific Gravity: 1.13 at 20°C

Flash Point: N/A

Water Solubility: Soluble in water

MATERIAL SAFETY DATA SHEET

Autoignition temp: No data

Flammability: Non combustible material

4. HAZARDS IDENTIFICATION

NOHSC Classification: Classified as hazardous

Hazchem Category: 2Z

Risk Phrases: R20 – harmful by inhalation
R21 – harmful in contact
R22 – harmful if swallowed

Poison Schedule: S5

Safety Phrase: S13 Keep Away from Food, Drink and Animal Feed Stuff
S2 Keep out of Reach of Children

5. FIRST AID MEASURES

General Instruction: Consult 'The Poisons Information Centre' (Australia Phone: 13 11 26) or a Doctor in every case of suspected chemical poisoning.

Inhalation: Move person to fresh air, if effects occur call a Doctor. If person is not breathing call 000 for an ambulance. then give artificial respiration, preferably by mouth to mouth.

Skin Contact: Take off contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice if irritation or an allergic reaction occurs.

Eye Contact: Quickly and gently blot or brush product away. Flush the contaminated eye(s) with lukewarm, gently flowing water until the product is removed or until irritation has ceased, while holding the eyelid(s) open. Remove contact lenses. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

Ingestion: If swallowed, call the Poisons Information Centre or a Doctor. Do not induce vomiting unless told to do so by the Poisons Information Centre or a Doctor. Make every effort to prevent vomit from entering the lungs by careful placement of the patient. Do not give any thing by mouth to a semi-conscious or unconscious person.

6. FIRE-FIGHTING MEASURES

Flammability Class: Non-Flammable

Polymerisation: Not known to occur

Hazardous Combustion Product: During a fire, smoke may contain the original material in addition to combustion products of varying composition that may be toxic and/ or irritating. May emit toxic fumes of hydrogen chloride or phosgene. Take appropriate protective measures.

MATERIAL SAFETY DATA SHEET

Special Fire Fighting Procedures:	Evacuate personnel to a safe area. If the product is on fire wear positive-pressure self-contained breathing apparatus and full protective clothing.
Extinguishing Media:	If involved in fire, product will not burn. Choose extinguishing media to suit the burning material.
Upper Flammability Limit:	No data
Lower Flammability Limit:	No data
Autoignition temperature:	No data

7. ACCIDENTAL RELEASE MEASURES

General Instructions:	Wear appropriate protective equipment. Clear area of all unprotected personnel. Prevent entry of chemical or used/damaged containers into sewers, drains, streams or waterways. If necessary, inform the police and the relevant State Authority.
Small Spill:	For clean up of a spill from a single shipping pack soak up with sand or other non-combustible absorbent material and place into containers for disposal. If applicable, wash the area with detergent and water.
Large Spill:	<p>In the event of a major spill, prevent spillage from entering drains or water courses. Wear protective clothing as overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or reuse.</p> <p>Advise laundry of nature of contamination when sending contaminated clothing to laundry.</p>

8. HANDLING AND STORAGE

Handling:	After work, remove protective clothing, and wash hands before eating, smoking, drinking or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use. Avoid breathing spray mist or vapours. Avoid splashes of material to the eye and skin.
Storage:	Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Do not store with food, feedstuff, fertilisers and seeds.
Other Information:	Do not spray in high winds. Do not contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers. Equipment that has been used for this chemical should not be used for the application of other materials to

MATERIAL SAFETY DATA SHEET

sensitive plants, unless it has been well washed out with hot soapy water or 1% solution of ammonia, followed by several clear water rinses. Do not use on or in situations where damage to susceptible crops or plants such as cotton, tobacco, tomatoes, flowers, vines, fruit trees or other susceptible crop plants may result from direct application or drift.

9. EXPOSURE CONTROL AND PERSONAL PROTECTION

General Instructions:	The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 , Protective Gloves: AS 2161 , Industrial Clothing: AS2919 , Industrial Eye Protection: AS1336 and AS/NZS 1337 , Occupational Protective Footwear: AS/NZS2210 .
Exposure limits:	Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.
Ventilation:	Use only with adequate ventilation. Provide general and/ or local exhaust ventilation to control airborne levels below the exposure guidelines. Make sure that the work environment remains clean and that vapours and mists are minimised.
Eye Protection:	Eye protections such as protective glasses or goggles are required when this product is being used.
Skin Protection:	Use protective clothing. Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse.
Respirator:	Atmospheric levels should be maintained below the exposure guidelines. Refer to the Australian Standards approved air-purifying or positive pressure supplied air respirators whenever respiratory protection is required.

10. STABILITY AND REACTIVITY

Chemical Reactivity:	This product is stable under normal storage condition and unlikely to react or decompose under normal storage conditions.
Conditions to Avoid:	Reaction of the concentrate or spray mix with acids will precipitate MCPA and largely deactivate the product. The addition of strong alkali such as caustic soda will cause release of dimethyl amine vapour, which is moderately toxic, LD50 (oral, rat) is 700 mg/kg and a TLV of 10 ppm (TWA) has been set.
Incompatibilities:	Strong acids, strong bases, strong oxidising agents.
Polymerisation:	This product is unlikely to undergo hazardous polymerisation processes.

11. TOXICOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

General Information:	No harmful effects are expected if the precautions on the label and MSDS are followed.
Inhalation:	The components of the product are of low volatility and no adverse effects are expected from handling concentrate. The concentrate is considered harmful by inhalation by Worksafe Australia. A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.
Ingestion:	The concentrate is harmful if swallowed. Ingestion of MCPA in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.
Skin:	Prolonged contact with the concentrate may cause irritation. Prolonged contact of the concentrate with skin will result in absorption of some MCPA which can be harmful.
Eye:	The concentrate may cause irritation to the eyes unless washed off immediately. Prolonged contact with the concentrate may cause damage to the eye.
Chronic Effects:	Chronic over exposure: Repeated absorption of relatively large amounts of MCPA presents a risk to the liver and kidneys.
Acute Toxicity:	Oral: LD50 (rat) 900-1160 mg/kg for MCPA LD50 (rat) 700 g/kg for dimethylamine. Dermal: LD50 (rat) >4000 mg/kg for MCPA
Other Information:	Australian Acceptable Daily Intake (ADI) for MCPA for a human is mg/kg/day. This is based on the NOEL of 1.1 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and to the most sensitive species. (Ref: Comm. Dept of Health and Ageing, 'ADI List', TGA, August 2003).

12. POTENTIAL HEALTH EFFECTS

Inhalation:	Short term exposure: Significant inhalation exposure is considered to be unlikely if used in proper manner as suggested in the label. However, available data indicates that this product is harmful. Long Term exposure: Prolong inhalation may have health effects.
Skin Contact:	Short term exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use if used in proper manner as suggested in the label. Long Term exposure: The product may be irritating on prolonged exposure., but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.
Eye Contact:	Short term exposure: Exposure via eyes is considered to be unlikely. This product is believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort. Long Term exposure: The concentrate can be harmful to the eyes on long term exposure.
Ingestion:	Short term exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. This product is unlikely to cause any

MATERIAL SAFETY DATA SHEET

irritation problems in the short or long term.

Long Term exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

13. ECOLOGICAL INFORMATION

Effects on birds:

Do not appear to pose any threat to birds.

Effects on aquatic organisms:

Do not appear to pose any threat to fish or aquatic organisms other than in very high concentration. LC50 (96 hours) for rainbow trout is >232 mg/L.

Effects on other organisms:

The compound is not toxic to bees.

14. DISPOSAL CONSIDERATION

Disposal (Product):

On site disposal of the concentrated product is not acceptable. Ideally the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authority who hold periodic collections of unwanted chemicals (ChemCollect).

Disposal (Containers):

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/ reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. If the label on container carries the drumMuster symbol, triple rinse the container, ring your local council, and offer the container for collection in the programme. Returnable Containers: Empty contents fully into application equipment. Place cap, close all valves and return to the point of supply for refill or storage. If on-site container disposal is necessary, triple rinse empty container with water, add rinsate to the spray tank. Puncture top, sides and bottom, crush and bury in an approved landfill or bury with at least 500 mm of soil cover away from pasture and croplands, water supplies and houses.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

16. TRANSPORT INFORMATION

UN Number:

Non Allocated

Shipping Name:

Non Allocated

ADG Code:

Non Allocated

Hazchem Code:

Non Allocated

Packing Group:

Non Allocated

MATERIAL SAFETY DATA SHEET

Storage and Transport: Considered non-dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

General Information: It is good practice to separate this product from food, food related materials, animal feedstuffs, seed or fertilisers during transport.

17. OTHER INFORMATION

All information contained in this document is as accurate as possible based on information submitted by raw material suppliers. Wellfarm Pty Ltd will NOT be responsible for any damages that may result from reliance on the information contained herein.

The Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia).