

MATERIAL SAFETY DATA SHEET

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Hazardous according to the criteria of NOHSC Australia.

I IDENTIFICATION

Product Name: MCPA 500

Other Names: None.

Product Code: None.

UN No: None allocated

Hazchem Code: None allocated

Dangerous Goods Class: None allocated

Sub Risk Class: None allocated

Packaging Group: None allocated

Poison Schedule: S5

Chemical Family: [(4-chloro-o-tolyl)oxy]acetic acid

Uses: Selective herbicide.

Physical appearance & Properties:

Appearance & Odour: Clear brown liquid. Ammoniacal odour.

Melting/softening point: Liquid at normal temperatures.

Boiling point and vapour pressure: No data. Expected to be approx 100°C

Volatile materials: Water component.

Flashpoint: Does not burn.

Specific gravity: 1.12-1.14

Solubility in water: Soluble in water.

Corrosiveness: Not corrosive.

Ingredients:

Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m ³	STEL mg/m ³
MCPA present as 1:1 dimethylamine salt	see below*	50	not set	not set
Water and other inert ingredients	7732-18-5	to 100	not set	not set

* CAS number of salt not known. CAS numbers of component parts: MCPA 94-74-6, Dimethylamine 75-31-0

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995).

Acute Effects:

Harmful if swallowed. Attacks eyes and will irritate the skin.

Swallowed: Data suggests that the product should be considered to be harmful by ingestion.

Eye: Data suggests that this product should be classified as moderately irritating to the eyes.

Skin: Data suggests that the product should be classified as harmful if absorbed by the skin.

Inhalation: Data suggests that the product should be considered to be harmful by inhalation. May cause coughing and chest discomfort.

Primary route of exposure is inhalation and skin and eye contact.

MCPA LD₅₀ Oral (Rat) = 700mg/kg

First Aid:

Swallowed: If swallowed, and if more than 15 minutes from a hospital induce vomiting, preferably using Ipecac Syrup
APF

MATERIAL SAFETY DATA SHEET

Eye: If this product comes into contact with eyes, hold eyes open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin for at least 15 minutes with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If mists or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Combination Risk Phrases are: R20/21/22. Harmful by inhalation, in contact with skin, and if swallowed.

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. The ADI (Acceptable Daily Intake) for MCPA is set at 0.01mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 1.1mg/kg/day. Values taken from Australian ADI List, May 1998.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Respiratory Protection: A face mask or respirator should be used when this material is being used. For help in selecting suitable equipment consult AS/NZS 1715.

Protective Gloves: When preparing and using the prepared spray elbow length PVC gloves. For help in selecting suitable gloves consult AS 2161.

Eye Protection: Safety glasses or goggles should be used when using this product. Consult AS 1336 and AS/NZS 1337 for information about eye protection.

Clothing: When preparing and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat. All skin areas should be covered. Consult AS 2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots would be advisory. Consult AS/NZS 2210 for advice on Occupational Protective Footwear.

Flammability Limits: No data

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Safety Phrases are: S2, S13. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Storage & Transport:

No special requirements storage and transport requirements. This material has no UN Classification.

This material is classed as a S5 Poison. Observe appropriate state regulations for storage, transport and sale.

Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

Spills and disposals:

In the event of a major spill, prevent spillage from entering drains or water courses. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Immediately call the Fire Brigade. Wear full protective chemically resistant clothing including face mask, face shield, gauntlets and self contained breathing apparatus. See above under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict

MATERIAL SAFETY DATA SHEET

between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Does not burn.

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

Special Fire fighting procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire & Explosion hazards: Decomposition products are toxic and corrosive. There is a no risk of an explosion from this product if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide, hydrogen chloride gas, chlorides, water. Only formed after product has evaporated to dryness.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

Contact Points:

Police and Fire Brigade:

Dial

AUSTRALIA

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If ineffective:

Dial

1100 (Exchange)

For emergency response:

Dial

1800 033 111

National Poisons Information Centre:

Dial 13 1126 (from anywhere in Australia)

Please read all labels carefully before using product.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. The responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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