

Infosafe No™ 3NU9W	Issue Date : April 2024	ISSUED by NUFARMNZ
Product Name MCPB 400		

Section 1 - Identification

Product Identifier	MCPB 400
Product Code	00485
Product Type	Selective herbicide
Company Name	Nufarm NZ
Address	Central Park, Building 3, Level 4, 666 Great South Road Ellerslie Auckland 1051 New Zealand
Telephone/Fax Number	Tel: 0-9-270 4150
Emergency Phone Number	0800 651 911
Email	nzinfo@nufarm.com
Recommended uses and any restrictions on use or supply	Selective herbicide for use in certain crops and pasture.
Other Information	This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture	Acute dermal toxicity: Category 4 Eye irritation Category 2 Reproductive toxicity: Category 2 Specific target organ toxicity - repeated exposure: Category 2 Hazardous to the terrestrial environment: Hazardous to soil organisms Hazardous to the terrestrial environment: Hazardous to terrestrial vertebrates Hazardous to the aquatic environment acute Category 1 Hazardous to the aquatic environment chronic Category 1
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed H319 Causes serious eye irritation H361 Suspected of damaging fertility or the unborn child H373 May cause damage to organs through prolonged or repeated exposure H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects H421 Very toxic to the soil environment H433 Harmful to terrestrial vertebrates
Precautionary Statement – General	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions.
Pictogram (s)	Health hazard, Environment



Precautionary Statement – Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
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Precautionary Statement – Response
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P330 Rinse mouth.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P391 Collect spillage.
 P405 Store locked up.

Precautionary Statement – Storage

Precautionary Statement – Disposal
 P501 Dispose of contents/container to an approved landfill.

Section 3 - Composition and Information on Ingredients

Chemical Characterization
 Liquid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	MCPB acid (present as the sodium salt)	6062-26-6	385 g/L
	Ingredients determined to be non-hazardous	-	To volume

Section 4 - First Aid Measures

First-aid Measures For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.

Inhalation Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

Ingestion Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

Skin Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.

Eye Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance. Remove contact lenses, if present and easy to do.

First-aid Facilities Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Advice to Doctor Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media Water fog, foam, carbon dioxide or dry chemical.

Hazards from Combustion Products May emit toxic fumes under fire conditions which may include hydrogen chloride.

Special protective equipment for fire-fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods Keep up wind. Do not allow washings to reach sewage or effluent systems.

Hazchem Code 2X

Decomposition Temperature Information is not available.

Other Information Location Certificate: Not applicable
 Hazardous Atmosphere Zone: Not applicable
 Number of Fire Extinguishers: Not applicable

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Section 6 - Accidental Release Measures

Spills and Disposal	Wear protective clothing. Clear area of unprotected personnel. Contain spill and absorb with sand, soil or absorbent granules. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Environmental Precautions	Prevent from entering drains, waterways or sewers. This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

Section 7 - Handling and Storage

Precautions for Safe Handling	Do not handle until all safety precautions have been read and understood. The person mixing or applying MCPB 400 must be a 'Qualified Contractor' or a 'Qualified Person'. The spray mixture may also be prepared by a 'Qualified Loader'. For more information refer to the Hazardous Substances Property Controls Notice 2017. It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017. Avoid skin and eye contact and inhalation of spray mist. BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. CERTIFIED HANDLER: Is not required. TRACKING: Is not required. RECORD KEEPING: Records of use as described in the NZS 8409 Management of Agrichemicals must be kept if 3L or more of MCPB 400 is applied within 24 hours. Records must be kept for a minimum of 3 years from application date.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, fertilisers and seeds. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100L of MCPB 400 require secondary containment and are subject to signage, and more than 100L require emergency response plans.
Other Information	Always read the label and any attached leaflet before use. Aggregate Storage Volume Thresholds: When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limits (OEL)	No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.
Appropriate Engineering Controls	Handle in well ventilated areas, generally natural ventilation is adequate.
Personal Protective Equipment	When opening the container, preparing spray and using the prepared spray wear safety goggles, waterproof gloves, and boots. cotton overalls buttoned to the neck and wrist,
Hygiene Measures	Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Light brown liquid.
Odour	Information is not available.

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Decomposition Temperature	Information is not available.
Boiling Point	>100°C (water)
Solubility in Water	Soluble.
Specific Gravity	1.15g/mL
pH	10.5 - 12.0
Vapour Pressure	MCPB sodium salt is not volatile.
Vapour Density (Air=1)	Information is not available.
Odour Threshold	Information is not available.
Volatile Component	58%
Partition Coefficient: n-octanol/water	Kow logP > 2.37 (pH 5) for active ingredient MCPB.
Flash Point	Information is not available.
Flammability	Non flammable
Auto-ignition Temperature	Information is not available.
Flammable Limits - Lower	Information is not available.
Flammable Limits - Upper	Information is not available.
Kinematic Viscosity	Information is not available.
Particle Characteristics	Information is not available.
Relative Density	1.2333 g/cm ³ (20°C) for active ingredient MCPB.
Melting/Freezing Point	Information is not available.
Other Information	(SL) Soluble concentrate

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	The addition of mineral acids or heavy metal salts results in precipitation of MCPB.
Incompatible Materials	May react violently with strong oxidising material such as chlorine.

Section 11 - Toxicological Information

Acute Toxicity - Oral	LD50 (rat) = 4300mg/kg (male), 5300mg/kg (female) for active ingredient MCPB.
Acute Toxicity - Inhalation	LC50 (rat) >1.14mg/L/4h for active ingredient MCPB.
Acute Toxicity - Dermal	LD50 (rat) > 2,000mg/kg for active ingredient MCPB.
Skin Corrosion/Irritation	Not a skin irritant.
Serious Eye Damage/Irritation	Serious eye irritant.
Skin Sensitisation	Information is not available.
Germ Cell Mutagenicity	Information is not available.
Carcinogenicity	Information is not available.

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Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
STOT - Single Exposure	Information is not available.
STOT - Repeated Exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard	Information is not available.
Subchronic/Chronic Toxicity	Toxic organ toxicant: Liver NOEL(90d) rat: 100ppm diet
Other Information	The Australian Acceptable Daily Intake (ADI) for MCPB for a human is 0.01 mg/kg/day, set for the public for daily, lifetime exposure. 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 the most sensitive species. (Ref: Aust Govt Dept. of APVMA, 'ADI List', Edition 4 /2023).

Section 12 - Ecological Information

Persistence and Degradability	MCPB has residual activity in soil for approx 6 weeks. DT50 c. 5-7 days.
Mobility	Information is not available.
Environmental Fate	In soil, MCPB is degraded by microbial action. The rate of breakdown is dependant on climatic conditions, and soil characteristics such as organic content and soil moisture.
Bioaccumulative Potential	MCPB is not bioaccumulative. Log Pow = 2.78 (MCPB)
Acute Toxicity - Fish	LC50(96h) for bluegill sunfish = 14mg/L, rainbow trout = 4.3mg/L for active ingredient MCPB.
Acute Toxicity - Daphnia	LC50(48h) 55mg/L for active ingredient MCPB.
Acute Toxicity - Algae	Algae EbC50 (72h) for Selenastrum capricornutum 41mg/L, EC50 (120h) for Anabaena flos-aquae >2mg/L for active ingredient MCPB.
Acute Toxicity - Other Organisms	Bees: LD50 (contact) >25µg/bee for active ingredient MCPB.

Section 13 - Disposal Considerations

Product Disposal	Dispose of product only by using according to the label, or at an approved treatment facility.
Container Disposal	Triple rinse container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.

Section 14 - Transport Information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
UN Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (MCPB)
Hazard Class	9
Hazchem Code	2X
Packaging Method	-
Packing Group	III
EPG Number	-
IERG Number	47
IMO Marine Pollutant	Yes. Environmentally Hazardous Substance mark required.
IMDG EMS	F-A, S-F

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Other Information Do not carry more than 3L of MCPB 400 on a passenger service vehicle.
Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

Section 15 - Regulatory Information

National and or International Regulatory Information Registered pursuant to the ACVM Act 1997, No. P265
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to the HSNO Act 1996, Approval Code HSR000416
See www.epa.govt.nz for approval controls.

Packaging and Labelling WARNING
KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

Section 16 - Any Other Relevant Information

Date of preparation or last revision of SDS March 2019.

Contact Person/Point IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE
24Hr Tollfree Emergency No: 0800 651 911
24Hr Emergency No: National Poisons Centre Phone: 0800 764 766

Revisions Highlighted 5 yearly review carried out. Various changes and updates made to the document to comply with GHS7.
...End Of MSDS...

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