

Infosafe No™ 3NUBP	Issue Date : April 2022	ISSUED by NUFARM
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 Product Name **Nufarm MCPA AMINE 750 Herbicide**

Classified as hazardous

1. Identification

GHS Product Identifier	Nufarm MCPA AMINE 750 Herbicide	
Product Code	0477	NUL 1453
Product Type	Group I Herbicide	
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)	
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia	
Telephone/Fax Number	Tel: +61 3 9282-1000	
Emergency phone number	1800 033 498 (24hr Australia)	
E-mail Address	SDSANZ@nufarm.com	
Recommended use of the chemical and restrictions on use	For the selective control of broadleaf weeds in cereals, linseed, oilseed poppies, pastures, rice, sugar cane and turf as per the Directions for Use table on the label.	
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.	

2. Hazard Identification

GHS classification of the substance/mixture	OT4 Acute Toxicity - Oral: Category 4 SC-2 Skin Corrosion/Irritation: Category 2 ED1 Eye Damage/Irritation: Category 1 AA1 Hazardous to the Aquatic Environment - Acute Hazard: Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H400 Very toxic to aquatic life.
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 label before use.
Pictogram (s)	Corrosion, Exclamation mark, Environment, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention	P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, protective clothing, eye and face protection.
Precautionary statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician 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 CENTER or doctor/physician. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

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Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	MCPA	-	750 g/L
	present as the Dimethylamine salt	2039-46-5	
	Other ingredients (considered non-hazardous)		Balance

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	Rinse mouth and then drink plenty of water. Do not give anything by mouth to a semi-conscious or unconscious person. If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazards from Combustion Products	May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.
Special Protective Equipment for fire fighters	Breathable air apparatus should be worn when fighting a fire in which this product is involved.
Specific hazards arising from the chemical	Considered low risk due to water content, however upon evaporation of water the product is combustible.
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. On-site disposal of concentrate is not acceptable.
Personal Protection	For appropriate personal protective equipment (PPE), refer Section 8.
Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer. If large liquid spills occur, attempt to recover as much spilt material from sumps and banded areas, as possible, before absorbing remaining material into vermiculite or other absorbent.
Environmental Precautions	This product is a herbicide and spills can damage crops, pastures and desirable vegetation.

7. Handling and storage

Precautions for Safe Handling	Do NOT spray in high winds. Do NOT contaminate dams, rivers or streams, or any other water bodies with pesticide or used containers.
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Conditions for safe storage, including any incompatibilities Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Do not tamper with the Micro Matic valve or the security seal. Do not contaminate the Envirodrum with water or any other foreign matter. After each use of the product, please ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly.

Other Information Always read the label and any attached leaflet before use. 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. Sprayed weeds may become more palatable to stock and a higher intake of some weeds may result in stock poisoning and death from causes such as nitrate poisoning. Care should be taken especially where capeweed, Paterson's curse and variegated thistles predominate in the pasture.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standards have been set for this product or the active ingredients.

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 cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length rubber gloves and face shield or goggles. See re-entry period information on the label for this product.

Hygiene Measures After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

Requirements Concerning Special Training Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. Physical and chemical properties

Form Liquid

Appearance Clear, red-brown liquid

Odour Ammonia like odour

Solubility in Water Soluble in water.

Specific Gravity 1.181

pH 9.5-10.0 (undiluted)

Vapour Pressure Negligible

Partition Coefficient: n-octanol/water Kow Log P is -0.71 @pH7 (MCPA acid)

Flash Point None

Flammability Not flammable

Other Information pKa is 3.07 for MCPA

10. Stability and reactivity

Chemical Stability Stable under normal conditions.

Incompatible Materials Reaction of the concentrate or spray mix with acids will precipitate solid MCPA and largely de-activate the product and cause blockages in spray equipment. The addition of a strong alkali such as caustic soda will cause release of dimethylamine vapour. Dimethylamine is moderately toxic, LD50 (oral, rat) is 700 mg/kg and a TLV of 10 ppm (TWA) has been set.

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Hazardous Polymerization Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information No harmful effects are expected if the precautions on the label and this MSDS are followed.

Acute Toxicity - Oral The following data is for the active ingredient, MCPA dimethylamine salt.
LD50 (rat) 1876 mg/kg

Acute Toxicity - Dermal LD50 (rat) >2000 mg/kg

Acute Toxicity - Inhalation LC50 (rat) (4hr) >1.69 mg/l

Ingestion Not a likely route of exposure.
Amounts swallowed incidental to normal handling procedures and use are not expected to cause injury.
However, swallowing of large amounts may cause injury.
Ingestion of the concentrate in relatively large amounts can result in headache, nausea, lethargy, motor weakness and incoordination.

Inhalation The components of the product are of low volatility and no adverse effects are expected from handling the concentrate.
A moderate hazard exists from inhalation of spray and care should be taken to avoid inhalation of spray mists.

Skin Unless removed immediately, will cause irritation.
Prolonged contact with the concentrate may result in absorption of MCPA in harmful amounts.

Eye The concentrate will cause severe irritation and possible damage unless washed off immediately.

Skin Sensitisation Product is not a skin sensitiser.

Carcinogenicity The weight of the evidence is that MCPA is not carcinogenic.

Chronic Effects Liver and kidney damage has been noted in laboratory animals that have been fed excessive doses of MCPA.

Serious eye damage/irritation MCPA dimethylamine salt is a severe eye irritant.

Skin corrosion/irritation The product is a skin irritant.

Other Information The Australian Acceptable Daily Intake (ADI) for MCPA 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 Health, Office of Chemical Safety, 'ADI List', December 2021).

12. Ecological information

Persistence and degradability MCPA is readily biodegradable.

Other Precautions Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

Environmental Protection Spray drift can cause damage, read the label for more information.

Acute Toxicity - Fish LC50 (96hr) for rainbow trout is 50 mg/l for MCPA dimethylamine salt

Acute Toxicity - Daphnia EC50 (48hr) for daphnia is >190 mg/l for MCPA dimethylamine salt.

Acute Toxicity - Algae LC50 for algae is >392 mg/l.
ErC50(14day) for Myriophyllum spicatum is 0.108mg/L for MCPA acid.

Acute Toxicity - Other Organisms Birds: Not toxic to birds. LD50 for bobwhite quail is 270 mg/kg
Bees: Not toxic to bees. LD50 >200 µg/bee.

13. Disposal considerations

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Product Disposal	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 authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Empty containers and product should not be burnt. drumMUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drumMUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Storage and Transport	Considered non dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail when in packs not exceeding 500 kg (L) or IBCs not exceeding 3000 kg (L) (Special Provision AU01) For bulk shipments as Class 9, use UN 3082, HazChem code 3Z.
UN Number (Sea Transport)	3082
IMO Class/Packing Group	Class 9/PG III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS MCPA) Class 9 PG III MARINE POLLUTANT

15. Regulatory information

Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Poisons Schedule	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 60505.

16. Other Information

Date of preparation or last revision of SDS	Reviewed 14/04/2022 This SDS replaces document dated February 2020.
Contact Person/Point	Normal Hours: SDS Coordinator Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The SDS was reviewed. Minor changes were made to the information and product has been rebranded. ...End Of MSDS...



Safety Data Sheet

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