

SAFETY DATA SHEET

MERIT®

Date of Issue: 19 November 2024

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Alachlor

Recommended use: Herbicide

Supplier: UPL New Zealand Limited
 PO Box 51584, Pakuranga
 Auckland
 Phone 0800 100 325
www.upl-ltd.com/nz
 0800 CHEM CALL (0800 243 622) 24 Hours

Emergency telephone number:

2. HAZARDS IDENTIFICATION



Hazard Classification:

GHS Classification:

Signal Word: DANGER

GHS Classification and Category	Hazard Code	Hazard Statement
Acute Tox. 4 (Oral)	H302	Harmful if swallowed.
Acute Tox. 4 (inhalation)	H332	Harmful if inhaled
Eye damage 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Carc. 2	H351	Suspected of causing cancer.
STOT Rep. Exp. 1	H372	Causes damage to organs through prolonged or repeated exposure.
Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
Hazardous to soil organisms.		Hazardous to soil organisms.
Hazardous to terrestrial vertebrates.		Hazardous to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS PREVENTION

P102 - Keep out of reach of Children.
 P103 - Read label before use.
 P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves and eye protection/face protection.
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.

RESPONSE

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330 - Rinse mouth.
P331 - Do NOT induce vomiting.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER or 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.
P310 - Immediately call a POISON CENTER or doctor.
P302+P352 - IF ON SKIN (or hair): Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice if you feel unwell.
P391 - Collect spillage.
Records of use must be kept.

STORAGE

P405 - Store locked up.

DISPOSAL

P501 - Dispose of contents/container in accordance with local regulations.
Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.
Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank.
Recycle empty container through Agrecovery® (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Alachlor	15972-60-8	48
Other ingredients		52

4. FIRST-AID MEASURES

Description of necessary first aid measures:

In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. Phone 0800 764 766, (0800 POISON).

General information:

First-aid measures

Inhalation:

Move to fresh air. Apply artificial respiration if necessary. If symptoms persist, call a doctor.

Ingestion:

DO NOT induce vomiting. Give a glass or two of water. Rinse mouth. Contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Never give anything by mouth to an unconscious person.

Skin contact:

Remove contaminated clothing. Wash with plenty of soap and water.

Eye contact:

Immediately flush with water for 15 minutes. If irritation persists see a doctor.

Notes to a physician:

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

3[Y]

Type of Hazard:

Extinguishing media:

Carbon dioxide, dry chemical, foam.

Hazardous thermal

(de)composition products:

Toxic oxides of nitrogen and carbon and corrosive fumes of chlorides.

Protection of fire-fighters:

Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke or gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing and personal protective equipment as described in section 8. Keep unprotected persons and animals out of the area.

Environmental precautions:

Keep material out of lakes, streams, ponds and sewer drains.

Methods for cleaning up:

Dyke to confine spill and absorb with inert absorbent materials such as clay, sand or soil. Shovel or pump waste into a drum and label contents for disposal.

Do not touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so. Dike area and prevent entry into waterways, and drains.

Small spills/leaks: Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal.

Large spills/leaks: dike the area of large spills and report them to 0800 CHEMCALL.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin. Do not handle material near food, feed or drinking water. Keep out of reach of children.

Storage:

Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Keep out of direct sunlight. Storage must be generally in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information.

Packaging materials:

HDPE Plastic

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: Not established

Engineering measures

Exposure control measures: Provide general and/or local ventilation to control airborne levels.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system:

None required if airborne concentrations are limited.

Skin and body:

When mixing or applying, wear protective clothing.

Hands:

Use gloves chemically resistant (e.g. nitrile or neoprene) when prolonged or frequently repeated contact could occur.

Eyes:

Use safety glasses

General hygiene:

Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, colour, etc.): Brownish-red liquid.

Odour:

Odour threshold:

pH: 5.9

Melting point/freezing point: Not available

Initial boiling point and boiling range: Not available

Flash point: 37°C PMCC

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure: Not available

Vapour density:

Relative density: 1.0007

Solubility(ies):

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature:

Decomposition temperature:

Kinematic viscosity:

Particle characteristics:

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: Strong acids and alkalis.

Materials to avoid: Heat, naked flame, and sparks.

Hazardous Decomposition

Toxic oxides of nitrogen and carbon and toxic corrosive fumes of chlorides.

Products:

Hazardous polymerization:

Not known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:

Harmful if swallowed. May be fatal if swallowed and enters airways.

LD₅₀ = 1837 mg/kg

Acute toxicity - Dermal:

LD₅₀ >2000 mg/kg

Acute toxicity – Inhalation:

Harmful if inhaled

LD₅₀ >5.44 g/m³ in rats (male and female)

Skin irritation:

May cause an allergic skin reaction.

Eye irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Contact sensitizer
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Suspected of causing cancer.
Reproductive toxicity:	Not classified as repro-toxic.
Aspiration hazard	
STOT-single exposure:	
STOT-repeated exposure:	Causes damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Ecology – general:

Hazardous to the aquatic environment, short-term (acute):	Very toxic to aquatic life.
Classification procedure - Hazardous to the aquatic environment, short-term (acute):	Fish: Toxic to fish. LC50 (96h): 1.8 mg/L (<i>Brachydanio rerio</i>) Daphnia: EC50 (48h): 10.8 mg/L (<i>Daphnia magna</i>)

Hazardous to the aquatic environment, long-term (chronic):	Toxic to aquatic life with long lasting effects.
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Classification procedure - Hazardous to the aquatic environment, long-term (chronic):

Toxicity to terrestrial vertebrates:	Hazardous to terrestrial vertebrates. Birds: Minimally toxic to birds LD ₅₀ >2000 mg/kg (Japanese quail)
Toxicity to terrestrial invertebrates:	Bees: Non-toxic to bees. LD ₅₀ > 100 g/bee Earthworms: Non-toxic to <i>Eisenia foetida</i> at or below 1000 mg/kg after 14 days of exposure.

Persistence and degradability:

Bioaccumulative potential:

Partition coefficient n-octanol/water (Log Kow):

Mobility in soil:	Hazardous to soil organisms.
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Ozone:

Other adverse effects:

13. DISPOSAL CONSIDERATIONS

Methods of disposal:



Ideally, the product should be used for its intended purpose. Ensure container is completely empty.
Triple rinse with soap and water. Recycle through the Agrecovery™ programme. If this is not possible, bury in landfill.

Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.
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14. TRANSPORT INFORMATION - International transport regulations

UN number:	UN3082
Class or Division:	9
Subsidiary Class:	
Packing Group:	III

Marine Pollutant: Yes
Proper shipping name: **ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.** (contains alachlor)
INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

ACVM Registered Number: P009486
HSNO Approval Code: HSR101602

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 10 October 2017
Revision Date: 19 November 2024
Replaces: ES612

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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