

SAFETY DATA SHEET

MERIT®

Date of Issue: 27 September 2021

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: 3.1C, 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A, 9.1A, 9.2A, 9.3C

Required identification Details:

Signal Word: DANGER

Keep out of reach of Children.
Read label before use.

Flammable liquid and vapour.
May be harmful if swallowed, inhaled or absorbed through the skin.
May cause eye irritation and mild skin irritation.
May cause sensitization from prolonged skin contact.
Suspected of causing cancer.
May cause organ damage following repeated ingestion at high doses.
Very toxic to aquatic organisms with long lasting effects.
Very toxic to the soil environment.
Harmful to terrestrial vertebrates.
Use this product carefully. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur.

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:

Dike 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

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

Physical State: Colour, Odour. Brownish-red liquid.

pH: 5.9

Vapour Pressure: Not available

Boiling Point: Not available

Flash Point: 37°C PMCC

Freezing/melting point: Not available

Solubility:

Specific Gravity/Density: 1.0007

Autoignition:

Information for flammable material:

Viscosity:

Octanol/water partition coefficient: Not available

Explosive Properties: Not explosive

Oxidation Properties: Not an oxidizer

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

Hazardous polymerization: Not known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral: LD₅₀ = 1837 mg/kg

Acute toxicity – Dermal: LD₅₀ >2000 mg/kg

Acute toxicity – Inhalation: LD₅₀ >5.44 g/m³ in rats (male and female)

Skin irritation: Slightly irritating

Eye irritation: Highly irritating

Sensitization: Contact sensitizer

Chronic toxicity

Carcinogenicity:

Suspected carcinogen.

Mutagenicity:

Not mutagenic.

Reproduction toxicity:

Not classified as repro-toxic.

Other information:

Harmful to organs in repeated large doses.

12. ECOLOGICAL INFORMATION

Aquatic

Fish: Toxic to fish. LC₅₀ (96h): 1.8 mg/L (*Brachydanio rerio*)

Birds:

Daphnia: EC₅₀ (48h): 10.8 mg/L (*Daphnia magna*)

Birds: Minimally toxic to birds LD₅₀ >2000 mg/kg (Japanese quail)

Bees:

Bees: Non-toxic to bees. LD₅₀ > 100 g/bee

Earthworms:

Earthworms: Non-toxic to *Eisenia foetida* at or below 1000 mg/kg after 14 days of exposure.

Bioaccumulation:

Degradability:

Mobility:

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.

14. TRANSPORT INFORMATION - International transport regulations

UN number:

UN1993

Class or Division:

3

Subsidiary Class:

Packing Group:

III

Marine Pollutant:

Yes

Proper shipping name:

Flammable liquid, N.O.S. (chlorobenzene)

**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:

HSR000397

16. OTHER INFORMATION

Additional information:

Original Issue Date: 10 October 2017

Revision Date: 27 September 2021

Replaces: ES461

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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