



# SAFETY DATA SHEET

## Merit

Date of Issue: 10 October 2017

### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

**Chemical name of active ingredient(s):** Alachlor

**Recommended use:** HERBICIDE

**Supplier:** Etec Crop Solutions Limited  
PO Box 51584  
Pakuranga, Auckland  
Phone 0800 100 325

**Emergency telephone number:** 0800 CHEM CALL (0800 243 622)  
24 Hours

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Flammable – 3.1C  
Toxic - 6.1D, 6.3B, 6.4A, 6.5B, 6.7B, 6.9A,  
Ecotoxic – 9.1A, 9.2A, 9.3C

**Required identification Details:** KEEP OUT OF REACH OF CHILDREN  
WARNING

Flammable liquid and vapour.  
May be harmful if swallowed, inhaled or absorbed through the skin.  
May cause eye 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.  
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

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#### 4. FIRST-AID MEASURES

**Description of necessary first aid measures:****Effects and symptoms****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.

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#### 5. FIRE-FIGHTING MEASURES

**HAZCHEM Code:**

3[Y]

**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.

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#### 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**.

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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes and skin. Do not handle material near food, feed or drinking water. Keep out of reach of children.
<b>Storage:</b>	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.
<b>Packaging materials:</b>	HDPE Plastic – 1, 10, 20 Litres

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Workplace exposure standards:** Not established

**Exposure Standards outside:  
The workplace:** None established

### Engineering measures

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

### Personal Protective Equipment

**Detail specifications for equipment:**

<b>Respiratory system:</b>	None required if airborne concentrations are limited.
<b>Skin and body:</b>	When mixing or applying, wear protective clothing.
<b>Hands:</b>	Use gloves chemically resistant (eg. nitrile or neoprene) when prolonged or frequently repeated contact could occur.
<b>Eyes:</b>	Use safety glasses
<b>General hygiene:</b>	Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Colour:</b>	Brownish-red
<b>Odour:</b>	Not available
<b>pH:</b>	5.9

<b>Vapour Pressure:</b>	Not available
<b>Vapour Density:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/melting point:</b>	Not available
<b>Solubility:</b>	Emulsifiable
<b>Specific gravity or density:</b>	1.007
<b>Flashpoint:</b>	37°C PMCC
<b>Octanol/water partition coefficient:</b>	Not available
<b>Explosion properties:</b>	Not explosive
<b>Oxidation properties:</b>	Not an oxidizer

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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Strong acids and alkalis.
<b>Materials to avoid:</b>	Heat, naked flame, and sparks
<b>Hazardous decomposition Products:</b>	Toxic oxides of nitrogen and carbon and toxic corrosive fumes of chlorides.
<b>Hazardous polymerization:</b>	Not known
<b>Specific Data:</b>	
<b>Hazardous reactions :</b>	None known

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity – Oral :</b>	LD <sub>50</sub> = 1837 mg/kg
<b>Acute toxicity - Dermal :</b>	LD <sub>50</sub> >2000 mg/kg
<b>Acute toxicity – Inhalation:</b>	LD <sub>50</sub> >5.44 g/m <sup>3</sup> in rats (male and female)
<b>Skin irritation :</b>	Slightly irritating
<b>Eye irritation:</b>	Highly irritating
<b>Sensitization :</b>	Contact sensitizer
<b>Chronic toxicity</b>	
<b>Carcinogenicity:</b>	Suspected carcinogen
<b>Mutagenicity:</b>	Not mutagenic.
<b>Reproduction toxicity:</b>	Not classified as repro-toxic.
<b>Other information :</b>	Harmful to organs in repeated large doses.

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Birds: Minimally toxic to birds LD <sub>50</sub> >2000 mg/kg (Japanese quail) Fish: Toxic to fish. LC <sub>50</sub> (96h): 1.8 mg/L (Brachydanio rerio) Daphnia: EC <sub>50</sub> (48h): 10.8 mg/L (Daphnia magna) Bees: Non-toxic to bees. LD <sub>50</sub> > 100 g/bee Earthworms: Non-toxic to Eisenia foetida at or below 1000 mg/kg after 14 days of exposure.
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**Bioaccumulative potential :**

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal :** **CONTAINER DISPOSAL:**

Ensure container is completely empty. Triple rinse with soap and water. Recycle through the **Agrecovery**<sup>™</sup> programme. If this is not possible, bury in landfill.

**PRODUCT DISPOSAL:** Ensure unwanted product is used by another operator strictly in accordance with label directions.

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## 14. TRANSPORT INFORMATION - International transport regulations

<b>UN number:</b>	<b>UN 1993</b>
<b>Class or Division:</b>	<b>3</b>
<b>Packing Group:</b>	<b>III</b>
<b>Marine Pollutant:</b>	Yes
<b>Proper shipping name :</b>	<b>Flammable liquid, N.O.S. (chlorobenzene)</b>

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

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## 15. REGULATORY INFORMATION

<b>ACVM Registered Number:</b>	P009486
<b>HSNO Approval Code:</b>	HSR000397

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## 16. OTHER INFORMATION

<b>Additional information:</b>	<b>Original Issue Date:</b> 10 October 2017
	<b>Revision Date:</b>

### EXCLUSION OF LIABILITY: PLEASE READ

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