



## SAFETY DATA SHEET

### CHLORONION™

Date of Issue: 20 September 2011

#### 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

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

**Recommended use:** Herbicide

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

**Emergency telephone number:** 0800 Poison (0800 764 766) 24 Hours

#### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Toxic - 6.1E, 6.5B,  
Ecotoxic - 9.1A, 9.2A

**Required identification Details:** HARMFUL  
KEEP OUT OF REACH OF CHILDREN  
ECOTOXIC

Harmful – may be harmful if swallowed, inhaled or absorbed through the skin.

May cause sensitization by skin contact.

Very toxic to aquatic organisms.

Very toxic to the soil environment – herbicide.

Toxic to earthworms.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Chloridazon	1698-60-8	43
Inert ingredients:		57

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## 4. FIRST-AID MEASURES

### Description of necessary first aid measures:

#### Effects and symptoms

Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. Avoid skin contact and inhalation of spray mist. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Possible skin sensitizer.

#### First-aid measures

#### Inhalation:

Remove to fresh air. Apply artificial respiration if necessary. Get medical help if breathing difficulty persists.

#### Ingestion:

Give a glass or two of water. Get medical help. Never give anything by mouth to an unconscious person.

#### Skin contact:

Remove contaminated clothing. Wash with soap and water. If irritation persists see a doctor.

#### Eye contact:

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

#### Notes to a physician:

Symptomatic treatment advised

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## 5. FIRE-FIGHTING MEASURES

#### HAZCHEM Code:

2XE

#### Extinguishing media :

Water spray, foam, dry chemical, carbon dioxide.

#### Hazardous thermal

Carbon monoxide, nitrogen oxides, hydrogen chloride.

#### (de)composition products:

#### Protection of fire-fighters:

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

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## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions:

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work. Keep unprotected persons and animals out of the area.

#### Environmental precautions:

Contain spill, do not allow material to enter sewers or bodies of water. Keep unprotected persons and animals out of the area.

#### Methods for cleaning up:

Soak up with sand, sawdust or other absorbent material, shovel or sweep up and bury in an approved landfill.

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## 7. HANDLING AND STORAGE

#### Handling:

Avoid contact with skin and eyes. Do not inhale spray. Wear long sleeved shirt, long pants, waterproof gloves and safety goggles or face shield. Do not eat, drink or smoke when using. Wash hands and face before meals and after work.

#### Storage:

Store in original container, tightly closed in a locked, dry, well ventilated place away from food or feedstuffs. Keep away

**Packaging materials:**

from sparks, heat and flames. Keep out of reach of children or animals.  
coextruded cans

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace Exposure Guidelines

**Workplace exposure standards:** Not established

**Exposure Standards outside:** Not established

**The workplace:**

### Engineering measures

**Exposure control measures:** Observe all precautions associated with handling Agrochemicals.

### Personal Protective Equipment

**Detail specifications for equipment:**

**Respiratory system:** Avoid breathing spray mist.

**Skin and body:** Wear long sleeved shirt, long pants worn outside of boots.

**Hands:** Wear water proof gloves.

**Eyes:** Wear safety goggles or face shield.

**General hygiene:** 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

**Physical State:** Liquid

**Colour:** Yellow/beige liquid.

**Odour:** faint odour.

**Melting Point:** 183-186°C

**pH:** 8

**Vapour Pressure:** N/A

**Boiling Point:** N/A

**Freezing/melting point:** N/A

**Solubility:** Dispersible.

**Specific gravity or density:** 1.169g/ml

**Information for flammable material including:** Not a fire or explosion hazard.

**Auto – ignition Temperature:** N/A

**Octanol/water partition coefficient:**

**Explosion properties:** Not Explosive

**Oxidation properties:** Not an oxidiser

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions

**Conditions to avoid:** Extreme heat

**Materials to avoid:** Oxidisers

**Hazardous decomposition Products:** Carbon monoxide, nitrogen oxides, hydrogen chloride.

**Hazardous polymerization:** N/A  
**Specific Data:** N/A  
**Hazardous reactions :** None Known

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## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity – Oral : LD<sup>50</sup>** 3,830mg/kg (Rat)  
Acute inhalation  
**Acute toxicity - Dermal : LD<sup>50</sup>** > 2,000 mg/kg (Rat)  
**Acute toxicity – Inhalation: LC<sup>50</sup>** >5.4 mg/litre,4 hr (Rat)  
**Skin irritation :** Not irritant  
**Eye irritation:** Not an eye irritant  
**Sensitization :** Respiratory sensitizer  
**Common name :** Chloridazon  
**Chronic toxicity**  
**Carcinogenicity:** Not Carcinogenic  
**Mutagenicity:** Not Mutagenic

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**  
**Fish** Very toxic to aquatic organisms.LC50> 32mg/litre,96 hr (Trout).  
**Bees** Not Toxic to Bees  
**Soil** Toxic to earthworms.  
**Water** Rapidly degraded in water  
**Persistence/degradability Soil** Short persistence in soil  
**Bioaccumulative potential :** Not bio accumulated  
**Birds** Non toxic to birds LD50 > 2,000 mg/kg(Bobwhite quail)

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## 13. DISPOSAL CONSIDERATIONS

**Methods of disposal :** Triple rinse container and add to spray tank, burn if circumstances, particularly wind direction, permit, otherwise crush and bury in an approved landfill.

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## 14. TRANSPORT INFORMATION - International transport regulations

**UN number:** 3082  
**Class or Division:** 9  
**Classification Code:** N/A  
**Packing Group:** III  
**Marine Pollutant:** No  
**Proper shipping name :** Environmentally hazardous substance Liquid N.O.S. chloridazon.  
**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):** This material is not a dangerous good as defined by the International Air Transport Association Dangerous Goods Regulations.

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## 15. REGULATORY INFORMATION

**ACVM Registered Number:** P4417

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**HSNO Approval Code:**

HSR000568

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## **16. OTHER INFORMATION**

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**Additional information:**

**Original Issue Date:** 23<sup>rd</sup> December 2005

**Revision Date:** 20 September 2011

**Replaces:** ES218

### **Disclaimer: Please Read**

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