

CHLORONION™

Date of Issue: 25 March 2009

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): chloridazon

Recommended use: Herbicide

Supplier: Elliott Technologies Limited
PO Box 838
Pukekohe
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

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and symptoms First-aid measures

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.

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

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.

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.

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

Packaging materials:

coextruded cans

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.

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

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral : LD⁵⁰ 3,830mg/kg (Rat)
Acute toxicity - Dermal : LD⁵⁰ Acute inhalation
Acute toxicity – Inhalation: LC⁵⁰ > 2,000 mg/kg (Rat)
>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

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)

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.

15. REGULATORY INFORMATION

ACVM Registered Number:	P4417
HSNO Approval Code:	HSR000568

16. OTHER INFORMATION

Additional information:	Original Issue Date: 23 rd December 2005 Revision Date: N/A Replaces: N/A
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