



SAFETY DATA SHEET

CHLORONION® SC Herbicide

Date of Issue: 12 February 2025

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s):
Recommended use:

Chloridazon
Herbicide

Supplier:

UPL New Zealand Limited
PO Box 51584, Pakuranga
Auckland
Phone 0800 100 325
www.upl-ltd.com/nz

Emergency telephone number:

0800 CHEM CALL (0800 243 622) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification:



GHS Classification:

WARNING

GHS Classification and Category
Sensitization, skin Cat 1

Hazard Code
H317

Hazard Statement

May cause an allergic skin reaction.

Aquatic acute 1

H400

Very toxic to aquatic life.

Aquatic chronic Cat 1

H410

Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.

Required identification Details:

PRECAUTIONARY STATEMENTS

PREVENTION

P102 - Keep out of reach of Children.

P103 - Read label before use.

P261 - Avoid breathing spray

P272 - Contaminated clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing and eye protection.

P273 - Avoid release to the environment

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

P264 - Wash hands and face thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P302 + P352 - If on skin: Wash with plenty of water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Wash contaminated clothing before re-use.

P391 - Collect spillage.

DISPOSAL

P501 - Dispose of contents/container in accordance with local regulations.

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.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Chloridazon	1698-60-8	43

4. FIRST-AID MEASURES

Description of necessary first aid measures:

General information:

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

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards:

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.

Other information:

6. ACCIDENTAL RELEASE MEASURES

Accidental release:

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.
Specific use:	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure Standards: Not established

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

Appearance (physical state, colour, etc.):	Yellow/beige liquid.
Odour:	Faint odour.
Odour threshold:	NA
pH:	8
Melting point/freezing point:	183-186°C
Initial boiling point and boiling range:	NA
Flash point:	NA
Flammability (solid, gas):	Not a fire or explosion hazard.
Upper/lower flammability or explosive limits:	NA
Vapour pressure:	NA
Vapour density:	
Relative density:	1.169 g/mL
Solubility (ies):	Dispersible.
Partition coefficient: n-octanol/water:	NA
Auto-ignition temperature:	NA
Decomposition temperature:	NA

Kinematic viscosity: NA
Particle characteristics: NA

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions
Conditions to avoid: Extreme heat
Materials to avoid: Oxidizers
Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides, hydrogen chloride.
Hazardous polymerization: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral: LD₅₀: 3,830 mg/kg (Rat)
Acute toxicity - Dermal: LD₅₀: > 2,000 mg/kg (Rat)
Acute toxicity – Inhalation: LC₅₀: >5.4 mg/L,4 hr (Rat)
Skin irritation: NA
Eye irritation: Not an eye irritant
Respiratory or skin sensitization: May cause an allergic skin reaction.
Germ cell mutagenicity: Not Mutagenic
Carcinogenicity: Not Carcinogenic
Reproductive toxicity: NA
Aspiration hazard: NA
STOT-single exposure: NA
STOT-repeated exposure: NA

12. ECOLOGICAL INFORMATION

Ecotoxicity - general: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute): Chloridazon - LC₅₀ = 32 mg/L,96 hr (Trout).
Chloridazon - LC₅₀ = 132 mg/L,48 hr (Aquatic invertebrates).

Hazardous to the aquatic environment, long-term (chronic): Chloridazon - EC₅₀ = 0.17 mg/L,5 day (Green algae).

Toxicity to terrestrial vertebrates: Non-toxic to birds LD₅₀ > 2,000 mg/kg (Bobwhite quail)
Toxicity to terrestrial invertebrates: Not Toxic to Bees. Very toxic to earthworms.
Persistence and degradability: Rapidly degraded in water

Bioaccumulative potential: Not bio-accumulated

Partition coefficient n-octanol/water (Log Kow): Not available

Mobility in soil:
Other adverse effects:

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Ideally, the product should be used for its intended purpose.
Do not discharge into drains or waterway or sewer systems.
Contaminated empty containers must be disposed of as chemical waste.
Obey all local regulations for health and safety and environment protection.



Empty container precautions: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery. Otherwise crush and bury in a suitable landfill.

14. TRANSPORT INFORMATION - International transport regulations

UN number: 3082
Hazchem code: 2XE
Class or Division: 9
Subsidiary Class:
Packing Group:
Marine Pollutant:
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: P009469
HSNO Approval Code: HSR101123

16. OTHER INFORMATION

Additional information: **Original Issue Date:** 29th April 2019
Revision Date: 12 February 2025
Replaces: ES611

Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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