



---

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Casoron G Herbicide  
**Other Names:** Dichlobenil  
**Product Codes:** None allocated  
**Recommended Use:** For pre-emergent weed control  
**Chemical Family:** Benzene  
**Supplier:** Chemtura Australia Pty Ltd  
**ABN:** 005 225 507  
**Street Address:** Level 7, 435 King William Street  
Adelaide South Australia 5000  
**Telephone Number:** 61 8 8112 0900  
**Facsimile Number:** 61 8 8112 0999  
**Emergency Telephone:** 1800 033 111 (24-hour service)

---

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** **NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD**  
Classified according to the criteria of the National Occupational Health and Safety Commission (NOHSC).  
**Risk Phrases:** None allocated  
**Safety Phrases:** None allocated  
**Poisons Schedule:** S6  
**Dangerous Goods Class:** Not a dangerous good

---

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Identity	Common Name(s) and Synonym(s)	CAS Number	Proportion by Weight
Dichlobenil	Dichlobenil	1194-65-6	<10% (67.5g/kg)

**Note:** Australian and US Patents apply.

---

## 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth with water. Give patient plenty of water to drink. Seek immediate medical advice.  
**Inhalation:** Remove patient to fresh air - avoid becoming a casualty. If effects persist, seek medical advice.  
**Eye Contact:** Hold eye(s) open and flush with water for at least 15 minutes. Seek medical advice.  
**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing and launder before re-use. If irritation occurs, seek medical advice.  
**First Aid Facilities:** Eye wash station.  
**Advice to Doctor:** None allocated.  
**Additional Information:** If poisoning occurs contact a doctor or Poison Information Centre. Phone Australia 131 126; New Zealand 03 4747 000.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water jets, water fog (or if unavailable, fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). Contain runoff.
<b>Hazards from Combustion Products:</b>	Combustible Solid: Protect against inhalation of combustion products by wearing self-contained breathing.
<b>Precautions for Fire fighters and Special Protective Equipment:</b>	Wear self-contained breathing apparatus.
<b>HazChem Code:</b>	None allocated
<b>Additional Information:</b>	Keep away from sources of ignition of heat.

---

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	If there is contamination of crops or waterways, advise emergency services or State Department of Agriculture.
<b>Methods and Materials for Containment and Clean-Up Procedures:</b>	Wear protective equipment as outlined above, to prevent skin and eye contamination as well as inhalation of dust. Eliminate all ignition sources within at least 15 m. Do not touch or walk through spilled material. Preferably, vacuum up to avoid creating dust. Do not contaminate watercourses or drains with products or containers. Transfer into secure, sealed and properly labeled containers for disposal. Do not reuse container for any purpose.

---

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Wear protective equipment as outlined above, to prevent skin and eye contamination as well as inhalation of dust.
<b>Conditions for Safe Storage:</b>	Store in original container, away from children, animals, food and feedstuffs. Storage must be secure, and locks and/or seals in order, so contents cannot be tampered with. Check regularly for leaks. Keep cool and dry and out of direct sunlight or other sources of heat and ignition.

---

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>National Exposure Standards:</b>	None allocated for this material by the National Occupational Health and Safety Commission (Work safe Australia).
<b>Biological Limit Values:</b>	None allocated
<b>Engineering Controls:</b>	Provide sufficient ventilation to minimize dust exposure. Protect closed handling systems against possible dust explosions. Avoid dust accumulations in building or equipment surfaces. Keep containers closed when not in use.
<b>Personal Protective Equipment (PPE):</b>	Wear suitable protective clothing and gloves. Avoid personal contact. Do not inhale dust. Do not eat, drink or smoke while using. Wear overalls, safety glasses and impervious gloves. If dust is generated and there is danger of inhaling dust, wear a dust respirator (SCBA). After use and before eating, drinking, smoking or using the toilet, wash hands, arms and face thoroughly with soap and water. Launder clothing before reuse.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale grey granules and powder
<b>Odour:</b>	Characteristic odour
<b>pH:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Solubility:</b>	Not available
<b>Specific Gravity (Water = 1):</b>	Not Applicable
<b>Vapour Pressure (@23°C):</b>	0.088 Pa @ 20 °C for active ingredient
<b>Decomposition Temp:</b>	Not available
<b>Flashpoint:</b>	>150 °C

---

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Not available
<b>Conditions to Avoid:</b>	Not available
<b>Incompatible Materials:</b>	Not available
<b>Hazardous Decomposition Products:</b>	Not available
<b>Hazardous Reactions:</b>	Not available
<b>Polymerisation:</b>	Not available

---

## 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure:

#### Acute Health Effects:

**SWALLOWED:** May result in nausea and vomiting.

Acute oral LD50 - > 2.0g/kg (rat) (Dichlobenil)

- 1.17g/kg (rat/mice) (Casoron)

**EYE:** Contact with eyes may cause irritation.

**SKIN:** Contact with skin may result in irritation.

Dichlobenil - Acute dermal LD50 - > 2.0g/kg (rabbit)

**INHALED:** Slightly toxic by inhalation.

Acute inhalation LC50 - > 0.250mg/L (rat) (Dichlobenil)

- > 3.3mg/L (rat) (Casoron)

#### Chronic Health Effects:

In a 2 year feeding study with dichlobenil in male and female dogs (at doses up to 8.75 mg/kg/day), increased liver and thyroid weights and other physiological changes were reported at the highest dose tested.

---

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity:

Dichlobenil is moderately toxic to fish and to aquatic invertebrate.

For the active ingredient dichlobenil:

96 hr LC50 (Bluegill Sunfish) - 7.8 mg/L

96 hr LC50 (Rainbow Trout) - 8.3 mg/L

48 hr LC50 (Daphnia magna) - 6.2 mg/L

#### Persistence/Degradability:

Not available

#### Mobility:

Not available

---

## 13. DISPOSAL CONSIDERATIONS

#### Disposal Method(s):

For disposal after intended use: Do not dispose of undiluted chemicals on-site. Puncture or shred and bury containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

For disposal after spill or accident: Dispose of sealed containers at an approved local waste disposal site.

#### Precautions for Landfill or Incineration:

Empty containers and product should not be burnt.

---

## 14. TRANSPORT INFORMATION

<b>UN Number:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated
<b>DG Class &amp; Subsidiary Risk:</b>	None allocated
<b>Packing Group:</b>	None allocated
<b>EPG/GTEPG:</b>	None allocated
<b>Special Precautions for User:</b>	None allocated
<b>HazChem Code:</b>	None allocated
<b>Other Information:</b>	None allocated

---

## 15. REGULATORY INFORMATION

**Poisons Schedule:** S6  
**Additional Information:** APVMA Product No. 54240

---

## 16. OTHER INFORMATION

**Date of Preparation:** April, 2006  
**Revision Date:** July, 2008  
**Revision Number:** 1  
**Revision Summary:** Rev 1 - Update of Chemtura contact details.

**Disclaimer:** This information is given without warranty or representation. Chemtura Australia Pty Ltd does not assume any legal responsibility for same, nor does Chemtura Australia Pty Ltd give permission, inducement or recommendation to practice any patented invention without a licence. It is offered solely for consideration, investigation and verification. Before using any product, always read the label carefully.

Casoron® is a registered trademark of Chemtura Corporation.

~END OF SAFETY DATA SHEET~