

**MATERIAL SAFETY DATA SHEET**

2/5/12

---

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Supplier** DOW AGROSCIENCES (PTY) LTD  
Private Bag X55,  
Bryanston.  
2021

**SPILLAGES:**

**Emergency telephone** (+27) 032 5330716 or 082 887 8079  
**Fax** (+27) 032 5336134

**POISONINGS:**

**National Poison Centre** 021-9386084 (office hours).  
021-9316129 (after hours).  
**UOFS Pharmacology/Toxicology information centre:**  
0824910160

Product Name: **LONTREL\* 100 SL HERBICIDE**

LV70: 45414

Issue Date: Nov. 93

Ref: H851S

Revised: July 02

---

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Components contributing to hazard:**

		CAS	EINECS
Clopyralid	100 g/L	001702-17-6	216-935-4
Inert ingredients	Balance		
Composition Code	EF1136		
NIOSH/RTECS no	TJ7550700		
UN no	Not Regulated		

---

**3. HAZARDS IDENTIFICATION**

No known hazard.

---

**4. FIRST-AID MEASURES**

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

**Ingestion**

Do not induce vomiting. Call a physician. The decision of whether to induce vomiting or not should be made by an attending physician.

**Eye Contact**

Flush with plenty of water.

**Skin Contact**

Wash thoroughly with soap and water.

**MATERIAL SAFETY DATA SHEET**2/5/12  
LONTREL\* 100 SL HERBICIDE

---

**Inhalation**

Remove to fresh air. Consult a physician.

**Note to Physician**

No specific antidote. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

---

**5. FIRE-FIGHTING MEASURES****Extinguishing Media**

Water fog or fine spray. Carbon dioxide. Dry chemical. Foam.

**Hazardous Combustion Products**

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

**Protection of Firefighters**

Wear protective clothing and use self-contained breathing apparatus.

**Additional Information**

Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems.

---

**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate safety clothing and eye/face protection (see Section 8).

**Environmental Precautions**

Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

**Methods of Cleaning Up**

Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

---

**7. HANDLING AND STORAGE****Handling**

Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work.

**MATERIAL SAFETY DATA SHEET**2/5/12  
LONTREL\* 100 SL HERBICIDE

---

**Storage**

Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Clopyralid: DowElanco IHG is 10 mg/m<sup>3</sup>

**Engineering Controls**

Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

**Respiratory Protection**

For most conditions, no respiratory protection should be needed. However, if respiratory irritation is experienced use an approved air-purifying respirator.

For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Hand/Skin Protection**

Wear clean, long-sleeved, body-covering clothing. For emergency conditions: Use protective clothing impervious to this material.

**Eye/Face Protection**

Use safety glasses.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Colour	: brown
Rel. density (water=1)	: 1.05 g/cm <sup>3</sup> (approx.)
Freezing point/range	: <-5 deg.C
Boiling point/range	: 100 deg.C (approx.)
Water solubility	: miscible
Flash point	: none

---

**10. STABILITY AND REACTIVITY****Chemical Stability**

Is stable under normal storage conditions.

**Conditions to Avoid**

Avoid extremes of temperature.

**MATERIAL SAFETY DATA SHEET**2/5/12  
LONTREL\* 100 SL HERBICIDE

---

**Materials to Avoid**

Strong basic, acidic or oxidising materials.

**Hazardous Decomposition Products**

None under normal conditions of storage and use.

---

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Based on data for similar formulation.

**Ingestion**

Single dose oral toxicity is low.

The estimated oral LD50 for rats is >2000mg/kg.

**Skin Contact**

The estimated dermal LD50 for rats is >2000mg/kg.

A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Prolonged or repeated exposure is not likely to cause significant skin irritation.

**Sensitisation**

Non-sensitising to guinea pig skin.

**Eye Contact**

Essentially non-irritating to eyes.

**Inhalation**

No adverse effects anticipated by this route of exposure incidental to proper handling.

---

**12. ECOLOGICAL INFORMATION**

Assessment largely or completely based on data for active ingredient.

**Persistence and Degradability**

The principle route of degradation is microbial and will occur readily. Half-life in soils is dependent on soil type and conditions and is approximately 12-62 days.

**Aquatic Toxicity**

Material is practically non-toxic to fish on an acute basis (LC50 >100mg/L)

Material is practically non-toxic to aquatic invertebrates on a static acute basis (LC50 >100mg/L).

**Avian Toxicity**

Material is slightly toxic to birds on an acute basis (500mg/kg <LD50 <2000mg/kg).

**MATERIAL SAFETY DATA SHEET**2/5/12  
LONTREL\* 100 SL HERBICIDE

---

**Other Information**

Non-toxic to bees.

---

**13. DISPOSAL CONSIDERATIONS**

Do not contaminate ponds, waterways or ditches with chemical or used container. Wash out thoroughly. Container and washings must be disposed of safely and in accordance with applicable regulations. The preferred options are to send to licensed reclaimer or to permitted incinerators. Do not re-use container for any purpose.

---

**14. TRANSPORT INFORMATION**

Product is not classified for any mode of transportation.

---

**15. REGULATORY INFORMATION****Hazard Symbol :** None Required**Risk Phrases :** None required.**Safety Phrases :** Keep out of reach of children. (S2)  
Keep away from food, drink and animal feeding stuffs.  
(S13)  
When using do NOT eat, drink or smoke. (S20/21)**National legislation:** In accordance with the South African National Road Traffic Act, 1996(Act 93 of 1996), the Fire Brigade Act, 1987(Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)

---

**16. OTHER INFORMATION**

This Material Safety Data Sheet complies with basic South African and EU regulatory requirements for Safety Data Sheets on the date of publication, and is intended for translation and adaptation into European National documents. This document should NOT be relied upon for compliance with the laws and regulations of individual countries without the appropriate local translations and adaptations. It is your responsibility to ensure that any Safety Data Sheet taken or adapted from this system for re-distribution or use complies with all the laws and regulations which apply to any such use or re-distribution.