

MATERIAL SAFETY DATA SHEET

LANCER 100 SL

18 December 2012

1. PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: FUTURE FARM AND FOREST SERVICES AND SUPPLIES (PTY) LTD
PO Box 98165
Sloane Park
Bryanston.
2152

EMERGENCY TELEPHONE NUMBERS

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: **LANCER 100 SL HERBICIDE**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components contributing to hazard:

Clopyralid 100 g/L
Inert ingredients Balance
Composition Code EF1136

UN no Not Regulated

3. HAZARDS IDENTIFICATION

No known hazard.

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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.

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.

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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.

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/m³

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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 ³ (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.

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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.

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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 non toxic to birds.

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.

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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.