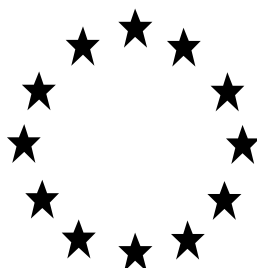


Draft Renewal Assessment Report  
under Regulation (EC) 1107/2009



**CLOPYRALID**

**Volume 3 – B.4 (AS)**

RMS: Finland  
Co-RMS: Poland

May 2017

## Volume 1

**Level 1: Statement of subject matter and purpose for which this report has been prepared and background information on the application**

**Level 2: Summary of active substance hazard and of product risk assessment**

**Level 3: Proposed decision with respect to the application**

Appendix 1: Guidance documents used in this assessment

Appendix 2: Reference list

## Volume 2

**Annex A: List of the tests, studies and information submitted**

## Volume 3

**Annex B (Active Substance): Summary, evaluation and assessment of the data and information**

Annex B.1 (AS): Identity

Annex B.2 (AS): Physical and chemical properties of the active substance

Annex B.3 (AS): Data on application

**Annex B.4 (AS): Further information**

Annex B.5 (AS): Methods of analysis

Annex B.6 (AS): Toxicology and metabolism data

Annex B.7 (AS): Residue data

Annex B.8 (AS): Environmental fate and behaviour

Annex B.9 (AS): Ecotoxicology data

## Volume 3

**Annex B (Plant Protection Product): Summary, evaluation and assessment of the data and information**

Annex B.1 (PPP): Identity

Annex B.2 (PPP): Physical and chemical properties of the plant protection product

Annex B.3 (PPP): Data on application and efficacy

Annex B.4 (PPP): Further information

Annex B.5 (PPP): Methods of analysis

Annex B.6 (PPP): Toxicology and metabolism data and assessment of risks to humans

Annex B.7 (PPP): Residue data

Annex B.8 (PPP): Environmental fate and behaviour and environmental exposure assessment

Annex B.9 (PPP): Ecotoxicology data and assessment of risks for non-target species

## Volume 4

**Annex C: Confidential information and, where relevant, details of any task force formed for the purpose of generating tests and studies submitted**

## List of Endpoints

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### Version History

When	What
2017/ May	DRAR- First version submitted to EFSA

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## **B.4. FURTHER INFORMATION**

No new data or assessment has been provided since Annex I inclusion. A safety data sheet for clopyralid pursuant to Article 31 of Regulation (EC) No 1907/2006 of the European Parliament has been provided.

### **B.4.1. METHODS AND PRECAUTIONS CONCERNING HANDLING, STORAGE, TRANSPORT OR FIRE**

#### **Hazards identification:**

Causes serious eye damage (H318), Very toxic to aquatic life with long lasting effects (H410).

#### **Handling and storage:**

Keep out of reach of children. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour or mist. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Store in a dry place. Store in original container. Keep container tightly closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

#### **Transport:**

Classification for ROAD and Rail transport (ADR/RID):

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S.(Fluroxypyr, Clopyralid)
Transport hazard class(es)	9
Packing group	III
Environmental hazards	Fluroxypyr, Clopyralid
Special precautions for user	Hazard Identification Number: 90

Classification for SEA transport (IMO-IMDG):

---

UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, N.O.S.(Fluroxypyr, Clopyralid)
Transport hazard class(es)	9
Packing group	III
Environmental hazards	Fluroxypyr, Clopyralid
Special precautions for user	EmS: F-A, S-F
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk
Classification for AIR transport (IATA/ICAO):	
UN number	UN 3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.(Fluroxypyr, Clopyralid)
Transport hazard class(es)	9
Packing group	III
Environmental hazards	Not applicable
Special precautions for user	No data available.

**Fire**

Suitable media:	extinguishing	Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.
Unsuitable media	extinguishing	Do not use direct water stream. May spread fire.
Combustion products:		During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Sulfur oxides. Nitrogen oxides. Hydrogen fluoride. Carbon monoxide. Carbon dioxide..

**B.4.2. PROCEDURES FOR DESTRUCTION OR DECONTAMINATION**

If destruction is necessary, then incineration is recommended; however contact with the supplier should be made to evaluate the return of excess material before destruction is undertaken. Incineration (minimum 1220°C for 2 seconds) must take place in a facility approved to handle chemical waste. As the halogen content of active is <60% there is no need for a pyrolysis study.

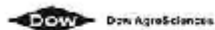
**B.4.3. EMERGENCY MEASURES IN CASE OF AN ACCIDENT**

No new data or assessment has been provided since Annex I inclusion. A safety data sheet for clopyralid pursuant to Article 31 of Regulation (EC) No 1907/2006 of the European Parliament has been provided in Document M-CA.

**B.4.4. REFERENCES RELIED ON**

No references.

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation

**B.4.5. APPENDIX - SAFETY DATA SHEET FOR ACTIVE SUBSTANCE****SAFETY DATA SHEET****DOW AGROSCIENCES LIMITED**

Safety Data Sheet according to Reg. (EU) No 2015/830

**Product name: LONTREL\* T TECHNICAL HERBICIDE****Revision Date: 00.00.0000****Version: 0.0****Print Date: 12.10.2015**

DOW AGROSCIENCES LIMITED encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****Product name: LONTREL\* T TECHNICAL HERBICIDE****Chemical name of the substance:** 3,6-dichloropyridine-2-carboxylic acid**CASRN:** 1702-17-8**EC-No.:** 216-935-4**1.2 Relevant identified uses of the substance or mixture and uses advised against****Identified uses:** Plant Protection Product active substance**1.3 Details of the supplier of the safety data sheet****COMPANY IDENTIFICATION**

DOW AGROSCIENCES LIMITED

LATCHMORE COURT

BRAND STREET

HITCHIN

England

SG5 1NH

UNITED KINGDOM

**Customer Information Number:**[SDSQuestion@dow.com](mailto:SDSQuestion@dow.com)**1.4 EMERGENCY TELEPHONE NUMBER****24-Hour Emergency Contact:** 0031 115 894 982**Local Emergency Contact:** 00 31 115 89 4982**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008:**

Serious eye damage - Category 1 - H318

Chronic aquatic toxicity - Category 1 - H410

For the full text of the H-Statements mentioned in this Section, see Section 16.



Product name: LONTREL\* T TECHNICAL HERBICIDE

Revision Date: 00.00.0000

Version: 0.0

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Hazard pictograms



Signal word: DANGER

**Hazard statements**

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 Get immediate medical attention.

P501 Dispose of contents/container in accordance with applicable regulations.

**Supplemental information**

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

**2.3 Other hazards**

No data available

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance**

This product is a substance.

CASRN / EC-No. / Index-No.	REACH Registration Number	Concentration	Component	Classification: REGULATION (EC) No 1272/2008
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Product name: LONTREL® T TECHNICAL HERBICIDE

Revision Date: 00.00.0000

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<b>CASRN</b> 1702-17-6 <b>EC-No.</b> 216-935-4 <b>Index-No.</b> 607-231-00-1	—	> 95.0 %	clopyralid (ISO)	Eye Dam. - 1 - H318 Aquatic Chronic - 1 - H410
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For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Eye contact:** Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

**Ingestion:** No emergency medical treatment necessary.

**4.2 Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

**Notes to physician:** Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

**Unsuitable extinguishing media:** No data available

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Product name: LONTREL\* T TECHNICAL HERBICIDE

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#### 5.2 Special hazards arising from the substance or mixture

**Hazardous combustion products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

**Unusual Fire and Explosion Hazards:** Container may rupture from gas generation in a fire situation. Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Dense smoke is produced when product burns.

#### 5.3 Advice for firefighters

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Consider feasibility of a controlled burn to minimize environment damage. Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Soak thoroughly with water to cool and prevent re-ignition. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents. Move container from fire area if this is possible without hazard. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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**6.1 Personal precautions, protective equipment and emergency procedures:** Evacuate area. Refer to section 7, Handling, for additional precautionary measures. Only trained and properly protected personnel must be involved in clean-up operations. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**6.2 Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**6.3 Methods and materials for containment and cleaning up:** Contain spilled material if possible. Small spills: Sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

**6.4 Reference to other sections:** References to other sections, if applicable, have been provided in the previous sub-sections.

Product name: LONTREL® T TECHNICAL HERBICIDE

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**SECTION 7. HANDLING AND STORAGE**

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**7.1 Precautions for safe handling:** Keep away from heat, sparks and flame. Keep out of reach of children. Do not get in eyes. Do not swallow. Avoid breathing dust or mist. Avoid contact with skin and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Good housekeeping and controlling of dusts are necessary for safe handling of product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

**7.2 Conditions for safe storage, including any incompatibilities:** Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

**7.3 Specific end use(s):** For use as active substance in a plant protection product.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**8.1 Control parameters**

Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
clopyralid (ISO)	Dow IHG	TWA	10 mg/m <sup>3</sup>

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

**8.2 Exposure controls**

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

**Individual protection measures**

**Eye/face protection:** Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

**Skin protection**

**Hand protection:** Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

**Other protection:** No precautions other than clean body-covering clothing should be needed.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved particulate respirator.

Use the following CE approved air-purifying respirator: Organic vapor cartridge with a particulate pre-filter, type AP2.

**Environmental exposure controls**

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See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	Powder
Color	White to tan
Odor	Odorless
Odor Threshold	No test data available
pH	No test data available
Melting point/range	150 °C
Freezing point	Not applicable
Boiling point (760 mmHg)	Not applicable
Flash point	closed cup Not applicable
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability (solid, gas)	No data available
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor Pressure	0.0000126 hPa at 25 °C
Relative Vapor Density (air = 1)	Not applicable
Relative Density (water = 1)	1.5747 at 20 °C <i>Volume Displacement</i>
Water solubility	8.417 g/L at 20 °C
Partition coefficient: n-octanol/water	log Pow: -2.63
Auto-ignition temperature	Not applicable
Decomposition temperature	No test data available
Kinematic Viscosity	Not applicable
Explosive properties	No
Oxidizing properties	No data available

**9.2 Other information**

Solid Density	1.57 g/cm <sup>3</sup> at 20 °C
Molecular weight	No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

---

**SECTION 10. STABILITY AND REACTIVITY**

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**10.1 Reactivity:** No dangerous reaction known under conditions of normal use.

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**10.2 Chemical stability:** Thermally stable at typical use temperatures.

**10.3 Possibility of hazardous reactions:** Polymerization will not occur.

**10.4 Conditions to avoid:** Avoid temperatures above 110 °C

Active ingredient decomposes at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

**10.5 Incompatible materials:** Avoid contact with metals such as: Aluminum.

**10.6 Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Hydrogen chloride. Nitrogen oxides. Toxic gases are released during decomposition.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data is available.*

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product:

LD50, Rat, > 5,000 mg/kg

##### Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product:

LD50, Rabbit, > 2,000 mg/kg No deaths occurred at this concentration.

##### Acute inhalation toxicity

No adverse effects are anticipated from single exposure to dust. Based on the available data, respiratory irritation was not observed. Based on the available data, narcotic effects were not observed.

As product:

LC50, Rat, 4 Hour, Dust, > 1 mg/l The LC50 value is greater than the Maximum Attainable Concentration. No deaths occurred at this concentration.

#### Skin corrosion/irritation

Prolonged contact is essentially nonirritating to skin.

#### Serious eye damage/eye irritation

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

#### Sensitization



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**As product:**

Did not cause allergic skin reactions when tested in guinea pigs.

**For respiratory sensitization:**

No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

**Carcinogenicity**

Did not cause cancer in laboratory animals.

**Teratogenicity**

Clopyralid caused birth defects in test animals, but only at greatly exaggerated doses that were severely toxic to the mothers. No birth defects were observed in animals given clopyralid at doses several times greater than those expected during normal exposure.

**Reproductive toxicity**

In animal studies, did not interfere with reproduction.

**Mutagenicity**

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

---

## SECTION 12. ECOLOGICAL INFORMATION

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*Ecotoxicological information appears in this section when such data is available.*

### 12.1 Toxicity

**Acute toxicity to fish**

Material is harmful to aquatic organisms (LC50/EC50/IC50 between 10 and 100 mg/L in the most sensitive species).

LC50, *Oncorhynchus mykiss* (rainbow trout), static test, 96 Hour, > 99.9 mg/l

LC50, *Lepomis macrochirus* (Bluegill sunfish), 96 Hour, > 102 mg/l

**Acute toxicity to aquatic invertebrates**

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, > 99 mg/l

**Acute toxicity to algae/aquatic plants**

ErC50, *Pseudokirchneriella subcapitata* (green algae), 72 Hour, Growth rate inhibition, 30.0 mg/l

EC50, blue-green alga *Anabaena flos-aquae*, 120 Hour, 37.1 mg/l

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EC50, *Lemna gibba*, 14 d, 89 mg/l

NOEC, *Myriophyllum spicatum*, 14 d, 0.0089 mg/l

**Toxicity to bacteria**

Bacteria, > 100 mg/l

**Chronic aquatic toxicity**

**Chronic toxicity to fish**

NOEC, *Pimephales promelas* (fathead minnow), 34 d, Other, 10.8 mg/l

**Chronic toxicity to aquatic invertebrates**

*Daphnia magna* (Water flea), static test, 21 d, 17 mg/l

**Toxicity to Above Ground Organisms**

Material is slightly toxic to birds on an acute basis (LD50 between 501 and 2000 mg/kg).

Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).

oral LD50, *Anas platyrhynchos* (Mallard duck), 1465mg/kg bodyweight.

dietary LC50, *Colinus virginianus* (Bobwhite quail), 8 d, > 5000mg/kg diet.

oral LD50, *Apis mellifera* (bees), 48 Hour, mortality, > 100micrograms/bee

contact LD50, *Apis mellifera* (bees), > 98.1micrograms/bee

oral LD50, *Apis mellifera* (bees), 48 Hour, mortality, > 98.1micrograms/bee

**Toxicity to soil-dwelling organisms**

LC50, *Eisenia fetida* (earthworms), 14 d, survival, > 1,000 mg/kg

**12.2 Persistence and degradability**

**Biodegradability:** Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

10-day Window: Fail

**Biodegradation:** 5 - 10 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301B or Equivalent

**Stability in Water (1/2-life)**

Hydrolysis, pH 4 - 9, Stable

**Photodegradation**

**Test Type:** Half-life (direct photolysis)

**Photodegradation**

**Atmospheric half-life:** 19.5 d

**Method:** Measured

**12.3 Bioaccumulative potential**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).



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Partition coefficient: n-octanol/water(log Pow): -2.63

Bioconcentration factor (BCF): &lt; 1 Fish Measured

**12.4 Mobility in soil**

Potential for mobility in soil is very high (Koc between 0 and 50).

Partition coefficient(Koc): 4.9

**12.5 Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**12.6 Other adverse effects**

This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

---

**SECTION 14. TRANSPORT INFORMATION**

---

**Classification for ROAD and Rail transport (ADR/RID):**

- |                                   |   |
|-----------------------------------|---|
| 14.1 UN number                    | Not applicable  |
| 14.2 Proper shipping name         | Not regulated for transport                                       |
| 14.3 Class                        | Not applicable  |
| 14.4 Packing group                | Not applicable  |
| 14.5 Environmental hazards        | Not considered environmentally hazardous based on available data. |
| 14.6 Special precautions for user | No data available.  |

**Classification for SEA transport (IMO-IMDG):**

- |                           |                             |
|---------------------------|-----------------------------|
| 14.1 UN number            | Not applicable              |
| 14.2 Proper shipping name | Not regulated for transport |
| 14.3 Class                | Not applicable              |
| 14.4 Packing group        | Not applicable              |

Product name: LONTREL\* T TECHNICAL HERBICIDE

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- |   |   |
|---|---|
| 14.5 Environmental hazards  | Not considered as marine pollutant based on available data. |
| 14.6 Special precautions for user   | No data available.  |
| 14.7 Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code | Consult IMO regulations before transporting ocean bulk      |

**Classification for AIR transport (IATA/ICAO):**

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 14.1 UN number                    | Not applicable              |
| 14.2 Proper shipping name         | Not regulated for transport |
| 14.3 Class                        | Not applicable              |
| 14.4 Packing group                | Not applicable              |
| 14.5 Environmental hazards        | Not applicable              |
| 14.6 Special precautions for user | No data available.          |

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

---

**SECTION 15. REGULATORY INFORMATION**

---

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****REACH Regulation (EC) No 1907/2006**

The product is regarded as registered according to Article 15 of REACH (Regulation (EC) No. 1907/2006 as amended). The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**

Listed in Regulation: ENVIRONMENTAL HAZARDS

Number in Regulation: E1

100 t

200 t

Product name: LONTREL\* T TECHNICAL HERBICIDE

Revision Date: 00.00.0000

Version: 0.0

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment is not required for this substance.

**SECTION 16. OTHER INFORMATION**

Full text of H-Statements referred to under sections 2 and 3.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

**Revision**

Identification Number: 101199878 / A293 / Issue Date: 00.00.0000 / Version: 0.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

Dow IHG	Dow Industrial Hygiene Guideline
TWA	Time weighted average

**Information Source and References**

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

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