

# SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by  
UK REACH Regulations SI 2019/758



## LONTREL™ 600

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	12.12.2023	800080003447	Date of first issue: 12.12.2023

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Corteva Agriscience™ encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container. This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : LONTREL™ 600

Unique Formula Identifier (UFI) : 7J08-U0N9-N008-PTT1

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : End use herbicide product

#### 1.3 Details of the supplier of the safety data sheet

##### COMPANY IDENTIFICATION

##### Manufacturer/importer

Corteva Agriscience UK Ltd  
CPC2 CAPITAL PARK  
FULBOURN CAMBRIDGE - England - CB21 5XE  
UNITED KINGDOM

**Customer Information** : +44 8006 89 8899  
**Number**  
**E-mail address** : SDS@corteva.com

#### 1.4 Emergency telephone number

SGS +32 3 575 55 55 OR

+44 161 88 41235

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Clopyralid-dimethylammonium salt	1096483-37-2	Aquatic Chronic 1; H410  M-Factor (Chronic aquatic toxicity): 10	60.24
5,6-Dichloro-2-pyridinecarboxylic Acid	88912-24-7	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2.5

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

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- If inhaled : 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.
- In case of 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.
- In case of eye contact : Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. Suitable emergency eye wash facility should be available in work area.
- If swallowed : No emergency medical treatment necessary.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

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

- Treatment : 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 spray  
Alcohol-resistant foam

- Unsuitable extinguishing media : None known.

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

- Specific hazards during fire-fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

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- |                                |   |   |
|--------------------------------|---|---|
| Specific extinguishing methods | : | Remove undamaged containers from fire area if it is safe to do so.<br>Evacuate area.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers. |
| Further information            | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
- 

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- |                      |   |  |
|----------------------|---|--|
| Personal precautions | : | Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. |
|----------------------|---|--|

#### 6.2 Environmental precautions

- |                           |   |   |
|---------------------------|---|---|
| Environmental precautions | : | If the product contaminates rivers and lakes or drains inform respective authorities.<br>Discharge into the environment must be avoided.<br>Prevent further leakage or spillage if safe to do so.<br>Prevent spreading over a wide area (e.g. by containment or oil barriers).<br>Retain and dispose of contaminated wash water.<br>Local authorities should be advised if significant spillages cannot be contained. |
|---------------------------|---|---|

#### 6.3 Methods and material for containment and cleaning up

- |                         |   |   |
|-------------------------|---|---|
| Methods for cleaning up | : | Clean up remaining materials from spill with suitable absorbent.<br>Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.<br>For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped,<br>Recovered material should be stored in a vented container.<br>The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to over-pressurization of the container.<br>Keep in suitable, closed containers for disposal.<br>Wipe up with absorbent material (e.g. cloth, fleece).<br>Neutralize with chalk, alkali solution or ammonia.<br>See Section 13, Disposal Considerations, for additional information. |
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### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.  
Handle in accordance with good industrial hygiene and safety practice.  
Smoking, eating and drinking should be prohibited in the application area.  
Take care to prevent spills, waste and minimize release to the environment.  
Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a closed container. Keep in properly labelled containers. Store in accordance with the particular national regulations.

Advice on common storage : Do not store near acids.  
Strong oxidizing agents

Packaging material : Unsuitable material: None known.

### 7.3 Specific end use(s)

Specific use(s) : Plant protection products subject to Regulation (EC) No 1107/2009.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.  
Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

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.

#### Personal protective equipment

Eye/face protection : Use chemical goggles.  
Hand protection

Remarks : Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber

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("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Skin and body protection : Wear clean, body-covering clothing.

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, if discomfort is experienced, use an approved air-purifying respirator.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: Liquid.
Colour	: Yellow
Odour	: amine-like
Odour Threshold	: No test data available
pH	: 3.51 (20 °C) Method: CIPAC MT 75.3
Melting point/range	: Not applicable
Freezing point	: No test data available
Boiling point/boiling range	: No test data available
Flash point	: > 130 °C Method: EC Method A9, closed cup
Evaporation rate	: No test data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No test data available
Relative vapour density	: No test data available

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Density	:	1.23 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	:	
Water solubility	:	Miscible with water
Auto-ignition temperature	:	441 °C
		Method: EC Method A15
Viscosity	:	
Viscosity, dynamic	:	6.75 mPa.s (40 °C)
		Method: OECD 114
		14.63 mPa.s (20 °C)
		Method: OECD 114
Explosive properties	:	No
Oxidizing properties	:	No

### 9.2 Other information

Surface tension	:	71 mN/m, 20 °C, EC Method A5
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Not classified as a reactivity hazard.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.  
Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions. No hazards to be specially mentioned. None known.
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### 10.4 Conditions to avoid

Conditions to avoid	:	None known.
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### 10.5 Incompatible materials

Materials to avoid	:	Strong acids Strong bases
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### 10.6 Hazardous decomposition products

Carbon oxides

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

- Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, male and female): > 5.12 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: For similar material(s):
- Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Remarks: For similar material(s):

###### Components:

###### **Clopyralid-dimethylammonium salt:**

- Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute oral toxicity  
Remarks: For similar material(s):
- Acute inhalation toxicity : LC50 (Rat): > 5.12 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Symptoms: No deaths occurred at this concentration.  
Assessment: The substance or mixture has no acute inhalation toxicity  
Remarks: For similar material(s):
- Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg  
Remarks: For similar material(s):

###### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

- Acute oral toxicity : LD50 (Rat, male): 1,200 mg/kg  
LD50 (Rat, female): 2,800 mg/kg
- Acute inhalation toxicity : LC50 (Rat): > 1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Symptoms: No deaths occurred at this concentration., The



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LC50 value is greater than the Maximum Attainable Concentration.

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: For similar material(s):

### Skin corrosion/irritation

#### Product:

Species : Rabbit  
Result : No skin irritation

### Serious eye damage/eye irritation

#### Product:

Species : Rabbit  
Result : No eye irritation

#### Components:

##### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Species : Rabbit  
Result : Corrosive

### Respiratory or skin sensitisation

#### Product:

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Assessment : Does not cause skin sensitisation.

#### Components:

##### **Clopyralid-dimethylammonium salt:**

Remarks : For similar material(s):  
Did not demonstrate the potential for contact allergy in mice.

Remarks : For respiratory sensitization:  
No relevant data found.

##### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Species : Guinea pig  
Assessment : Does not cause skin sensitisation.  
Remarks : For similar material(s):

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### Germ cell mutagenicity

#### Components:

##### **Clopyralid-dimethylammonium salt:**

Germ cell mutagenicity- Assessment : For similar active ingredient(s), Clopyralid., In vitro genetic toxicity studies were negative., Animal genetic toxicity studies were negative.

##### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Germ cell mutagenicity- Assessment : For similar material(s);, In vitro genetic toxicity studies were negative., Animal genetic toxicity studies were negative.

### Carcinogenicity

#### Components:

##### **Clopyralid-dimethylammonium salt:**

Carcinogenicity - Assessment : For similar active ingredient(s), Clopyralid., Did not cause cancer in laboratory animals.

##### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Carcinogenicity - Assessment : For similar material(s);, Did not cause cancer in laboratory animals.

### Reproductive toxicity

#### Components:

##### **Clopyralid-dimethylammonium salt:**

Reproductive toxicity - Assessment : For similar active ingredient(s), Clopyralid., In animal studies, did not interfere with reproduction.  
For similar active ingredient(s), 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.

##### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Reproductive toxicity - Assessment : For similar material(s);, In animal studies, did not interfere with reproduction.  
For similar material(s);, 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.

### STOT - single exposure

#### Product:

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

### Components:

#### **Clopyralid-dimethylammonium salt:**

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

#### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

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

### **Repeated dose toxicity**

#### Components:

#### **Clopyralid-dimethylammonium salt:**

Remarks : For similar active ingredient(s).  
Clopyralid.  
Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

#### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Remarks : For similar material(s):  
Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

### **Aspiration toxicity**

#### Product:

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

#### Components:

#### **Clopyralid-dimethylammonium salt:**

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

#### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

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

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Rainbow trout (*Oncorhynchus mykiss*)): > 100 mg/l

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Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Algae (Desmodesmus subspicatus)): > 100 mg/l  
Exposure time: 72 h

ErC50 (Myriophyllum spicatum): 73.1 mg/l  
Exposure time: 14 d

NOEC (Myriophyllum spicatum): 31.3 mg/l  
Exposure time: 14 d

### Components:

#### **Clopyralid-dimethylammonium salt:**

Toxicity to fish : Remarks: For similar material(s):  
Material is practically non-toxic to fish on an acute basis  
(LC50 > 100 mg/L).

LC50 (Oncorhynchus mykiss (rainbow trout)): > 99.9 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: For similar material(s):

LC50 (Lepomis macrochirus (Bluegill sunfish)): > 102 mg/l  
Exposure time: 96 h  
Remarks: For similar material(s):

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 99 mg/l  
Exposure time: 48 h  
Test Type: static test  
Remarks: For similar material(s):

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 33.1 mg/l  
End point: Growth rate inhibition  
Exposure time: 96 h  
Remarks: For similar material(s):

ErC50 (Myriophyllum spicatum): > 3 mg/l  
Exposure time: 14 d  
Remarks: For similar material(s):

NOEC (Myriophyllum spicatum): 0.0089 mg/l  
Exposure time: 14 d  
Remarks: For similar material(s):

M-Factor (Chronic aquatic toxicity) : 10

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### Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.  
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### 5,6-Dichloro-2-pyridinecarboxylic Acid:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 99.9 mg/l  
Exposure time: 96 h  
Test Type: static test  
Remarks: For similar material(s):  
  
LC50 (Lepomis macrochirus (Bluegill sunfish)): > 102 mg/l  
Exposure time: 96 h  
Remarks: For similar material(s):

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 99 mg/l  
Exposure time: 48 h  
Test Type: static test  
Remarks: For similar material(s):

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): 33.1 mg/l  
End point: Growth rate inhibition  
Exposure time: 96 h  
Remarks: For similar material(s):  
  
EC50 (blue-green alga Anabaena flos-aquae): 37.1 mg/l  
Exposure time: 120 h  
Remarks: For similar material(s):  
  
EC50 (Lemna gibba): 89 mg/l  
Exposure time: 14 d  
Remarks: For similar material(s):

Toxicity to terrestrial organisms : oral LD50: 1465 mg/kg bodyweight.  
Species: Anas platyrhynchos (Mallard duck)  
Remarks: Based on information for a similar material:  
  
dietary LC50: > 5000 mg/kg diet.  
Species: Anas platyrhynchos (Mallard duck)  
Remarks: Based on information for a similar material:

## 12.2 Persistence and degradability

### Components:

#### **Clopyralid-dimethylammonium salt:**

Biodegradability : Remarks: For similar active ingredient(s).  
Clopyralid.  
Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

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### 5,6-Dichloro-2-pyridinecarboxylic Acid:

Biodegradability : Biodegradation: 5 - 10 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B or Equivalent  
Remarks: 10-day Window: Fail

### 12.3 Bioaccumulative potential

#### Components:

#### **Clopyralid-dimethylammonium salt:**

Partition coefficient: n-  
octanol/water :  
Remarks: For similar active ingredient(s).  
Clopyralid.  
Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

### 5,6-Dichloro-2-pyridinecarboxylic Acid:

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): < 1  
Method: Measured  
Remarks: For similar material(s):

### 12.4 Mobility in soil

#### Components:

#### **Clopyralid-dimethylammonium salt:**

Distribution among environ-  
mental compartments : Remarks: For similar active ingredient(s).  
Clopyralid.  
Potential for mobility in soil is very high (Koc between 0 and 50).

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

#### **Clopyralid-dimethylammonium salt:**

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).

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### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

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

### **12.6 Other adverse effects**

#### **Product:**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### **Components:**

#### **Clopyralid-dimethylammonium salt:**

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

#### **5,6-Dichloro-2-pyridinecarboxylic Acid:**

Ozone-Depletion Potential : Remarks: This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Product : 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.

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## **SECTION 14: Transport information**

### **14.1 UN number**

ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good

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**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

### 14.2 UN proper shipping name

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

### 14.4 Packing group

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA (Cargo)** : Not regulated as a dangerous good

**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable



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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Registration Number : MAPP 16821  
19878

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

The mixture is evaluated within the frame of the provisions of Regulation (EC) No. 1107/2009. Refer to the label for exposure assessment information.

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### SECTION 16: Other information

#### Full text of H-Statements

H302 : Harmful if swallowed.  
H318 : Causes serious eye damage.  
H410 : Very toxic to aquatic life with long lasting effects.  
H412 : Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Eye Dam. : Serious eye damage

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; ECx - Concentration associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - not otherwise specified; NOEC - Non-Observed Effective Concentration; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; (Q)SAR - (Quantitative) Structure Activity Relationship; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SDS - Safety Data Sheet; UN - United Nations.

#### Further information

Product code: GF-2895

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not

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to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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