

# CLAYTON

PLANT PROTECTION

## CLAYTON CHLORON 500 FL

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

Clayton Chloron 500 FL MAPP 10791  
For use only as an agricultural herbicide.

#### Marketing company

Clayton Plant Protection (UK) Ltd.,  
Unit F10, Bracetown Business Park, Clonee, Co. Meath, Ireland  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chlorotoluron	44 % w/w	CA 15545-48-9	Xn, N	R 40, 63, 50/53
Ethanediol	9-10 % w/w	CA 107-21-7	Xn	R 22

### 3. HAZARDS IDENTIFICATION

**Human** Limited evidence of a carcinogenic effect  
Possible risk of harm to the unborn child  
Ingestion: harmful  
Skin: irritant  
Eyes: irritant

**Environmental** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID

Remove all contaminated clothing.

**Eyes:** flush immediately with plenty of water for 15 minutes. Seek medical attention.

**Skin:** wash exposed skin and hair immediately with water, then with soap and water. If the patient feels unwell, seek medical advice.

**Inhalation:** remove to fresh air; seek medical attention for any apparent symptoms.

**If swallowed:** rinse mouth with water; seek medical attention immediately and show the container label or this datasheet.

### 5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Product is not ordinarily flammable but packaging will burn. Toxic fumes may be released. Keep containers cool by spraying with water. Extinguish source of fire, preferably with dry inert powder, foam, carbon dioxide or water fog. Do not use a water jet. Contain fire-fighting water, bunding as necessary.

### 6. ACCIDENTAL RELEASE

Wear coverall, face protection, rubber boots and suitable protective gloves. Contain spillage, particularly to prevent contamination of water. Inform local water plc immediately if spillage enters drains. Inform Environment Agency/Scottish Environment Protection Agency if spillage enters surface or ground waters. Absorb spillage in sand or earth. Collect all contaminated material and place in covered, labelled containers for disposal. Do not flush with water.

### 7. HANDLING AND STORAGE

Keep in original container, tightly closed, in a safe place. Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

Store in a cool, dry place out of direct sunlight. Protect from frost – store above 5°C.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear suitable protective clothing, gloves and eye/face protection.

When using, do not eat, drink or smoke. Wash concentrate from skin or eyes immediately.

Do not breathe spray. Wash hands and exposed skin before meals and after work.

Occupational exposure standards: Ethane-1,2-diol

long-term exposure limit (8-hour TWA ref. period) = 52 mg m<sup>-3</sup>

short-term exposure limit (15-minute ref. period) = 104 mg m<sup>-3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: opaque white liquid  
Flammability: non-flammable  
Oxidising properties: none  
pH: 7-8.5  
Water solubility: miscible in all proportions  
Density: 1.14 g/ml at 20°C

## 10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging.

## 11. TOXICOLOGY

Acute oral LD <sub>50</sub> for rat:	>2000 mg/kg.
Acute dermal LD <sub>50</sub> for rabbit:	>2000 mg/kg.
Acute inhalation LC <sub>50</sub> (4 hour) rat:	>2.18 mg per litre air
Skin sensitisation:	negative

## 12. ECOLOGICAL INFORMATION

Degradation DT <sub>50</sub> in soil:	circa 30-40 days
Dietary LC <sub>50</sub> (8-day) Japanese quail:	>2150 mg/kg diet
LC <sub>50</sub> (96-hour) for rainbow trout:	20 mg/l
Daphnia LC <sub>50</sub> (48-hour):	67 mg/l
Algae EC <sub>50</sub> (72-hour):	0.024 mg/l
Bee contact LD <sub>50</sub> (48-hour):	>100 µg/bee

## 13. DISPOSAL

Product: dispose of via an authorised disposal contractor.  
Containers: dispose of via an authorised disposal contractor.  
Consult also 'Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings' (DEFRA/HSE).

## 14. ROAD AND RAIL TRANSPORT

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains chlorotoluron).  
UN 3082; Class 9; Packing group III  
Packaging: 5-20 litres in high-density polyethylene containers.

## 15. REGULATORY INFORMATION



Xn HARMFUL

contains 500 g/l chlorotoluron  
R22 Harmful if swallowed  
R36/38 Irritating to eyes and skin  
R40 Limited evidence of a carcinogenic effect  
R63 Possible risk of harm to the unborn child



N DANGEROUS FOR  
THE ENVIRONMENT

R50/R53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S2 Keep out of the reach of children.  
S13 Keep away from food, drink and animal feedingstuffs.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S60 This material and its container must be disposed of as hazardous waste.

The product is approved under the Control of Pesticides Regulations 1986.  
The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of the product at work.

## 16. OTHER INFORMATION

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