

# CLAYTON PLANT PROTECTION

**CLAYTON FLORIN** Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010.  
Version 1/dsc 11/01/2023. This version replaces all previous versions.

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY OR UNDERTAKING

1.2 Product identifier Product name : CLAYTON FLORIN

1.2 Relevant identified uses of the substance or mixture and uses advised against Use : Herbicide

1.3 Details of the supplier of the safety data sheet

Company : Clayton Plant Protection UK Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.

Tel: (00 353) 1 8210127 www.claytonpp.com Email: info@claytonpp.com

1.4. Emergency telephone number

National emergency telephone number NHS dial 111.

## SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Physical hazards

Flam. Liq. 3 - H226

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304

Environmental hazards

Aquatic Chronic 1 - H410 Aquatic Chronic 1 - H410

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating /lighting/.../ equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use dry sand or cement to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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P405 Store locked up.

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

Supplemental label information

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

Contains Hydrocarbons, C9, Aromatic 2.3. Other hazards

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

Components	CAS number: EC number:	Classification :
Hydrocarbons, C9, Aromatic 60-100%	CAS 918-668-5	Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411
fluroxypyr-meptyl (ISO) 10-30%	CAS 81406-37-3 EC number: 279-752-9	M factor (Acute) = 1 M factor (Chronic) = 1 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts 1-5%	CAS number: 68953-96-8 EC number: 273-234-6	Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411
butan-1-ol <1%	CAS number: 71-36-3 EC number: 200-751-6	Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information : Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Show this Safety Data Sheet to the medical personnel. Treat symptomatically.

Inhalation : Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. No special treatment required. Get medical attention if any discomfort continues.

Ingestion : Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Keep affected person under observation. Do not induce vomiting unless under the direction of medical personnel. Show this Safety Data Sheet to the medical personnel.

Skin contact : Remove contaminated clothing immediately and wash skin with soap and water. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.

Eye contact : Remove affected person from source of contamination. Get medical attention immediately. Remove any contact lenses and open eyelids wide apart. Rinse cautiously with water for several minutes. Keep affected person under observation. Show this Safety Data Sheet to the medical personnel.

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

General information : See Section 11 for additional information on health hazards.

Inhalation : Coughing. Sore throat. Drowsiness, dizziness, disorientation, vertigo. Irritating to respiratory system.

Ingestion : May cause stomach pain or vomiting. Aspiration hazard if swallowed.

Skin contact : May cause skin irritation. May cause an allergic skin reaction.

Eye contact : Causes serious eye irritation. Profuse watering of the eyes. Redness.

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

Notes for the doctor : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media :

Suitable extinguishing media : Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Flammable liquid and vapour.

Hazardous combustion products : None known.

5.3. Advice for firefighters

Protective actions during firefighting : Do not use water jet as an extinguisher, as this will spread the fire.

Avoid breathing fire gases or vapours. Contain and collect extinguishing water. Fight fire from safe distance or protected location. If risk of water pollution occurs, notify appropriate authorities. Move containers from fire area if it can be done without risk.

Special protective equipment for firefighters : Use air-supplied respirator, gloves and protective goggles.

### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures.

For personal protection, see Section 8. Keep unnecessary and unprotected personnel away from the spillage.

6.2. Environmental precautions : Very toxic to aquatic life with long lasting effects. Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Environmental Manager must be informed of all major spillages.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage. Place waste in labelled, sealed containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections For personal protection, see Section 8.

### **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Usage precautions : Avoid breathing vapour/spray. Do not empty into drains. Avoid contact with skin. Do not eat, drink or smoke when using this product. Protect from freezing and direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions : Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Protect from freezing and direct sunlight.

Storage class : Flammable liquid storage.

7.3. Specific end use(s) : The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: Exposure controls/Personal protection**

8.1. Control parameters

Occupational exposure limits

butan-1-ol Short-term exposure limit (15-minute): WEL 50 ppm 154 mg/m<sup>3</sup> Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls : Avoid inhalation of vapours and spray/mists.

Eye/face protection Tight-fitting safety glasses.

Hand protection Wear protective gloves made of the following material: Nitrile rubber.

Hygiene measures Do not eat, drink or smoke when using this product. Promptly remove any clothing that becomes wet or contaminated. Provide eyewash station. Wash hands thoroughly after handling.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Golden.

Odour Solvent

pH (concentrated solution): 6.31

pH diluted solution 1% : 6.64 @ 20°C

Flash point 46°C

Relative density 0.98 @ 20°C

Viscosity 20.83 mPa s @ 20°C 16.20 mPa s @ 40°C

Comments : Information given is applicable to the product as supplied.

9.2. Other information : No information required.

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## **SECTION 10: Stability and reactivity**

- 10.1. Reactivity : There are no known reactivity hazards associated with this product.
- 10.2. Chemical stability : Stable at normal ambient temperatures and when used as recommended.
- 10.3. Possibility of hazardous reactions : None known.
- 10.4. Conditions to avoid : Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.
- 10.5. Incompatible materials : Materials to avoid - Oxidising agents.
- 10.6. Hazardous decomposition products : No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

- 11.1. Information on toxicological effects
  - Acute toxicity - dermal ATE dermal (mg/kg) 45,862.0
  - Aspiration hazard : May be fatal if swallowed and enters airways.
  - Inhalation : May cause respiratory irritation. May cause drowsiness or dizziness.
  - Skin contact : Irritating to skin. May cause an allergic skin reaction.
  - Eye contact : Causes serious eye irritation

## **SECTION 12: Ecological information**

- Ecotoxicity : Very toxic to aquatic life with long lasting effects.
- 12.1. Toxicity
  - Acute aquatic toxicity
  - Acute toxicity - fish LC<sub>50</sub>, 96 hours: 31 mg/l, Fish
  - Acute toxicity - aquatic invertebrates LC<sub>50</sub>, 48 hours: 10.9 mg/l, Daphnia magna
  - Acute toxicity - aquatic plants LC<sub>50</sub>, 72 hours: 26.6 mg/l, Algae
- 12.2. Persistence and degradability : The degradability of the product is not known.
- 12.3. Bioaccumulative potential : No data available on bioaccumulation.
- 12.4. Mobility in soil : The product is miscible with water and may spread in water systems.
- 12.5. Results of PBT and vPvB assessment : This product does not contain any substances classified as PBT or vPvB.
- 12.6. Other adverse effects : Not applicable.

## **SECTION 13: Disposal considerations**

- 13.1. Waste treatment methods :  
General information : Dispose of waste product or used containers in accordance with local regulations

## **SECTION 14: Transport information**

- 14.1. UN number  
UN No. (ADR/RID) 1993    UN No. (IMDG) 1993    UN No. (ICAO) 1993    UN No. (ADN) 1993
- 14.2. UN proper shipping name  
Proper shipping name (ADR/RID) FLAMMABLE LIQUID, N.O.S. (CONTAINS Hydrocarbons, C9, Aromatic, fluroxypyr-meptyl (ISO))  
Proper shipping name (IMDG) FLAMMABLE LIQUID, N.O.S. (CONTAINS Hydrocarbons, C9, Aromatic, fluroxypyr-meptyl (ISO), Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts)  
Proper shipping name (ICAO) FLAMMABLE LIQUID, N.O.S. (CONTAINS Hydrocarbons, C9, Aromatic, fluroxypyr-meptyl (ISO))  
Proper shipping name (ADN) FLAMMABLE LIQUID, N.O.S. (CONTAINS Hydrocarbons, C9, Aromatic, fluroxypyr-meptyl (ISO))
- 14.3. Transport hazard class(es)  
ADR/RID class 3  
ADR/RID classification code F1  
ADR/RID label 3 IMDG class 3  
ICAO class/division 3  
ADN class 3
- 14.4. Packing group  
ADR/RID packing group III  
IMDG packing group III  
ICAO packing group III  
ADN packing group III

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### **14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

### **14.6. Special precautions for user**

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number (ADR/RID) 30

Tunnel restriction code (D/E)

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## **SECTION 15: Regulatory information**

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

An Exposure Scenario has not been prepared as a CSR was not required for registration

## **SECTION 16: Other information**

Hazard statements in full

H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

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 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.