

# CLAYTON PLANT PROTECTION

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

## CLAYTON TRIBUTE

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Date: 3/2/2018

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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Trade name Clayton Tribute

Product code UK (MAPP) 18363

#### 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

Supplier Clayton Plant Protection,  
Bracetown Business Park,  
Clonee, Dublin 15,  
Ireland.

Telephone +353(0)1 801 4000

Contact email dave@cpp.ag

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### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Acute aquatic toxicity: Category 1

H400 Very toxic to aquatic life.

Chronic aquatic toxicity: Category 1

H410 Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

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Hazardous pictogram:



**Signal word:** Warning

### Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

### EU Hazard Statements

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

### Precautionary statements

P102 Keep out of reach of children

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

### 2.3 Other hazards

No other hazards known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Chemical nature

Water Dispersible Granule (WG)  
Metribuzin (700g/Kg)

#### Composition Information:

Name	CAS-No. / EC-No.	Classification	Conc. [%]
		Regulation (EC) No 1272/2008	
Metribuzin	21087-64-9/ 244-209-7	Acute Tox. 4, (H302) H400 Aquatic Chronic 1, (H410 ) H410 Aquatic Acute 1, (H400)	66 - 74
Reaction product of naphthalene, IPA, sulfonated, Na salt	939-368-0 (EC No.)	Acute Tox. 4 (H302), Acute Tox. 4 (H332), Eye Dam. 1 (H318), STOT SE 3 (H335)	1 - 3
Citric acid monohydrate	5949-29-1	Eye Irrit. 2, (H319)	< 2

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Disodium Maleate	371-47-1	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	< 2
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### Further information

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

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## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>General advice</b>	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
<b>Inhalation</b>	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately. If not breathing, administer CPR.
<b>Skin contact</b>	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.)

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

<b>Symptoms</b>	None known.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Treatment</b>	Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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<b>Unsuitable</b>	No information available
<b>5.2 Special hazards arising from the substance or mixture</b>	No specific hazards known
<b>5.3 Advice for firefighters</b>	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
<b>Special protective equipment for fire-fighters</b>	
<b>Further information</b>	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**Precautions** Use personal protective equipment as required.

### 6.2 Environmental precautions

Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (UK emergency telephone number 0800 807060).

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

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal

### Additional advice

Use personal protective equipment. Do not allow to enter soil, waterways or waste water.

### 6.4 Reference to other sections

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Advice on safe handling** Avoid generation of dust. Use PPE as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before re-use. Do not breathe dust/spray. Do not eat, drink or smoke when using this product.

### Advice on protection

### against fire and explosion

No special precautions required.

### Hygiene measures

Avoid contact with skin, eyes and clothing. Keep working clothes separately. Remove soiled clothing immediately and clean thoroughly before using again. Do not eat drink or smoke when using. Wash contaminated clothing before re-use.

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

**Requirements for storage areas and containers** Keep container tightly closed in a dry and well ventilated place. Keep out of reach of children.

**7.3 Specific end uses** Refer to the label and/or leaflet.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components				
Metribuzin	France: TWA: 5mg/m <sup>3</sup>	Spain: TWA: 5mg/m <sup>3</sup>	Denmark: TWA: 5mg/m <sup>3</sup>	Austria STEL 10mg/m <sup>3</sup>
	Ireland: TWA: 5mg/m <sup>3</sup>	Portugal: TWA: 5 mg/m <sup>3</sup>	EU: -	TWA 5 mg/m <sup>3</sup>
	UK: -	Italy: -	Finland -	Netherlands: -

### 8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection** Respiratory protection is required in uses where there is insufficient ventilation.

#### Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

#### Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

#### Skin and body protection

Wear standard coveralls and Category 3 Type 4 suit.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Form	Granular Solid
Colour	Beige
Odour	Characteristic
pH	8.7 - 9.7 (CIPAC MT 75.3)
Flash point	-
Density	-
Water solubility	Dispersible
Partition coefficient: n-octanol/water	Log PoW: 1.6 (Metribuzin)

**9.2 Other information** Further safety related physical-chemical data are not known.

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### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

**Thermal decomposition** Stable under normal conditions.

**10.2 Chemical stability** Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions** No hazardous reactions when stored and handled according to prescribed instructions.

**10.4 Conditions to avoid** Heat flames and sparks

**10.5 Incompatible materials** Store only in the original container.

**10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

**Acute oral toxicity** LD50 (rat) >2,000 mg/kg

**Acute inhalation toxicity** LC50 (rat) > 4.8 mg/l  
Exposure time: 4 h

**Acute dermal toxicity** LD50 (rat) > 2,000 mg/kg

**Skin irritation** No skin irritation (rabbit)

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**Eye irritation** No eye irritation (rabbit)

**Sensitisation** Non-sensitizing. (Guinea pig)  
OECD Test Guideline 406

**Assessment repeated dose toxicity**

No data available

**Assessment Mutagenicity**

Not classified as a mutagen

**Assessment Carcinogenicity**

Not carcinogenic

**Assessment toxicity to reproduction**

Not toxic to reproduction

**Assessment developmental toxicity**

No Data available

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## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Toxicity to fish** LC50 Oncorhynchus mykiss >100mg/l  
Exposure time: 96 h

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

**Toxicity to aquatic plants** EC50 (D.Subspicatus) 0.0867mg/l Growth rate;  
Exposure time: 72 h

### 12.2 Persistence and degradability

**Biodegradability** Metribuzin:  
Abiotic degradation water DT50 (days): 31.1 - 52.6

**Koc** Metribuzin: 3.14 - 81.5

### 12.3 Bioaccumulative potential

**Bioaccumulation** Metribuzin: Bioconcentration factor not available

### 12.4 Mobility in soil

**Mobility in soil** Koc: 3.14 - 81.5

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### 12.5 Results of PBT and vPvB assessment

**PBT and vPvB assessment** The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

**Additional ecological information** No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product** In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

**Contaminated packaging** Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.  
Add washings to sprayer at time of filling.  
Dispose of empty and cleaned packaging safely.  
Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose.  
Return large containers to supplier.  
Follow advice on product label and/or leaflet.

**Waste key for the unused product** **020108** agrochemical waste containing dangerous substances

## SECTION 14: TRANSPORT INFORMATION

### ADR/RID/ADN

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metribuzin)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90
Tunnel Code	E

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

### IMDG

14.1 UN number	<b>3077</b>
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14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metribuzin)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

### IATA

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metribuzin)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES

### UK 'Carriage' Regulations

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metribuzin)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Emergency action code	3Z

### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC

Code Not applicable.

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## SECTION 15: REGULATORY INFORMATION

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

#### UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

#### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)  
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)  
Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

#### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)  
Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009  
Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)  
EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits  
Control of Pesticide Regulations 1986  
Dangerous Substances and Explosive Atmospheres Regulations 2002

#### Waste Treatment

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Environmental Protection Act 1990, Part II  
Environmental Protection (Duty of Care) Regulations 1991  
The Waste Management Licensing Regulations 1994 (as amended)  
Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)  
Landfill Directive  
Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)  
Water Resources Act 1991  
Anti-Pollution Works Regulations 1999

### 15.2 Chemical Safety Assessment

A chemical safety assessment is not required as a risk assessment has been performed according to directive 1107/2009.

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## SECTION 16: OTHER INFORMATION

### Text of the hazard statements mentioned in Section 3

H302	Harmful if swallowed.
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.