

## **CLAYTON PLANT PROTECTION**

**CLAYTON OHIO** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 2/dsc 13/11/2020 This version replaces all previous versions

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

- 1.1. Product identifier CLAYTON OHIO  
1.2. Relevant identified uses of the substance or mixture and uses advised. FUNGICIDE  
1.3. Details of the supplier of the safety data sheet : Marketing Company in UK  
Clayton Plant Protection (UK) Ltd., Bracetown Business Park, Clonee, Dublin15. Ireland.  
Tel: (00 353) 1 8210127 www.claytonpp.ag Email: info@claytonpp.com

### **SECTION 2: Hazards Identification**

- 2.1. Classification of the substance or mixture  
Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Repr. 2 H361d  
Aquatic Chronic 1 H410  
Full text of H-phrases: see section 16  
Adverse physicochemical, human health and environmental effects : No additional information available 2.2.  
Label elements  
Labelling according to Regulation (EC) No. 1272/2008 [CLP]  
Hazard pictograms



Signal word (CLP) : Warning Hazard statements (CLP) :

H361d - Suspected of damaging the unborn child.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P281 - Use personal protective equipment as required.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P391 - Collect spillage.

P405 - Obtain special instructions before use.

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.

EUH phrases :

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use PPP safety precautions :

SP 1 - Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads)

SPe3 - To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

No additional information available

### **SECTION 3: Composition/information on ingredients**

- 3.1. Substances Not applicable 3.2.

Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Tebuconazole	(CAS No.) 107534-96-3 (EC no) 403-640-2 (EC index no) 603-197-00-7	39.81	Acute Tox. 4 (Oral), H302 Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Aqueous preparation of isothiazolinones		0 - 1	Skin Corr. 1B, H314 Eye Dam.1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411 Aquatic Acute 1, H400

Full text of H- and EUH-phrases: see section 16.

### **SECTION 4: First aid measures**

- 4.1. Description of first aid measures

First-aid measures general : Call a poison centre or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison centre or a doctor if you feel unwell.

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First-aid measures after skin contact : Rinse immediately with plenty of water. In case of a skin reaction, consult a physician.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed No additional information available

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

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : High volume water jet.

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

Hazardous decomposition products in case of fire : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, nitrogen oxides (NO<sub>x</sub>).

5.3. Advice for firefighters. Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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

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

6.1.1. For non-emergency personnel. Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders. Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions. Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up. For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections. For further information refer to section 13.

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

7.1. Precautions for safe handling : Do not breathe spray, vapours. Use only outdoors or in a well-ventilated area.

Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. 7.3. Specific end use(s). See the label.

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

8.1. Control parameters No additional information available

#### 8.2. Exposure controls

Appropriate engineering controls: Engineering control of operator exposure must be used where reasonably practicable.

Hand protection: Protective gloves

Eye protection: Face protection (faceshield)

Skin and body protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

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

9.1. Information on basic physical and chemical properties

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Physical state : Liquid - SC (Suspension concentrate) Appearance : White liquid Colour : White Odour : No characteristic odour Odour threshold : No data available pH : 7.7 (1% dilution) (CIPAC MT 75.2) Melting point : No data available Solidification point : No data available Boiling point : No data available Flash point : Not measurable (EEC A9) Relative evaporation rate (butylacetate=1) : No data available Flammability (solid, gas) : Irrelevant, the mixture is a liquid	Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : 1.094 (EEC A3) Solubility : No data available Log Pow : Irrelevant, the product is a mixture Log Kow : Irrelevant, the product is a mixture Self-ignition temperature : >500°C (ASTM E 659/78) Decomposition temperature : No data available Viscosity, kinematic : Irrelevant Viscosity, dynamic : 864 mPa.s @ 10 rpm - 193 mPa.s @ 100 rpm (OECD 114) Explosive properties : The test item is unlikely to produce any risk of explosion (EEC A14) Oxidising properties : Not an oxidiser (EEC A21)
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9.2. Other information No additional information available

### **SECTION 10: Stability and reactivity 10.1.**

Reactivity Not applicable.

10.2. Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid No additional information available

10.5. Incompatible materials Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products No additional information available

### **SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Clayton Ohio - LD50 oral rat > 5000 mg/kg (OECD Guidelines n°425)

LD50 dermal rat > 5050 mg/kg (OECD Guidelines n°402)

LC50 inhalation rat (mg/l) > 5.13 mg/l (4h) (OECD Guidelines n°403)

Skin corrosion/irritation : Non irritating for the skin (OECD Guidelines n°40, rabbit)

Serious eye damage/irritation : Non irritating for the eyes (OECD Guidelines n°405, rabbit)

Respiratory or skin sensitisation : Non sensitising for the skin (OECD Guidelines n°406, guinea pig)

Germ cell mutagenicity : Not classified Carcinogenicity

: Not classified

Reproductive toxicity : Possible risk of harm to the unborn child (due to the classification of active substance tebuconazole)

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### **SECTION 12: Ecological information**

12.1. Toxicity

Clayton Ohio

LC50(96h) fishes 24.62 mg/l (Danio rerio) OECD Guidelines n°203

16.3 mg/l (Oncorhynchus mykiss) OECD Guidelines n°203

EC50(48h) Daphnia 1 >3.7 mg/l (Daphnia magna) OECD Guidelines

10.00 mg/l (Daphnia similis) OECD Guidelines n°202

EyC50(72h) algae 7.34 mg/l (Pseudokirchneriella subcapita) OECD Guidelines n°201

NOErC (72h) algae 6.87 mg/l Pseudokirchneriella subcapita) OECD Guidelines n°201

EyC50 (7 days) other aquatic plants 1.65 mg/l (Lemna minor L.) OECD Guidelines n°221

NOErC (7 days) other aquatic plants 0.05 mg/l (Lemna minor L.) OECD Guidelines n°221

12.2. Persistence and degradability

Tebuconazole (CAS No.) 107534-96-3 Persistence and degradability - Not readily biodegradable

12.3. Bioaccumulative potential

Tebuconazole (CAS No.) 107534-96-3 Log Pow 3.7 (EFSA Journal 2014; 12(1):3485) 12.4.

Mobility in soil

Components Tebuconazole (CAS No.) 107534-96-3 Koc= 769 L/kg (Arithmetic mean), (EFSA Journal 2014; 12(1):3485)

12.5. Results of PBT and vPvB assessment

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Components Tebuconazole (CAS No.) 107534-96-3 This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6. Other adverse effects No additional information available

### **SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations. Ecology  
- waste materials : Avoid release to the environment.

### **SECTION 14: Transport information**

In accordance with ADN / ADR / IATA / IMDG / RID

14.1. UN number - ADR : 3082 . IMDG : 3082 IATA : 3082 ADN : 3082 RID : 3082

14.2. UN proper shipping name - ADR/IMDG/IATA/AND/RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport document description

ADR	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole), 9, III, (E)
IMDG	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
IATA	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Tebuconazole), 9, III, ENVIRONMENTALLY HAZARDOUS
ADN	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole), 9, III, ENVIRONMENTALLY HAZARDOUS
RID	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Tebuconazole), 9, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

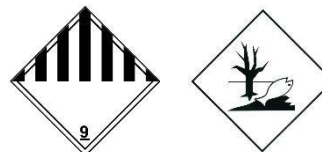
ADR Transport hazard class(es) (ADR) : 9 Danger labels (ADR) : 9

IMDG Transport hazard class(es) (IMDG) : 9 Danger labels (IMDG) : 9

IATA Transport hazard class(es) (IATA) : 9 Hazard labels (IATA) : 9

ADN Transport hazard class(es) (ADN) : 9 Danger labels (ADN) : 9

RID Transport hazard class(es) (RID) : 9 Danger labels (RID) : 9



14.4. Packing group

Packing group - ADR : III IMDG : III IATA: III ADN : III RID : III

14.5. Environmental hazards

Dangerous for the environment : Yes.

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 601, 375

Limited quantities (ADR) : 5I

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Special packing provisions (ADR) : PP1

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T4

Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13

Hazard identification number (Kemler No.) : 90 Orange plates :



Tunnel restriction code (ADR) : E

EAC code : •3Z

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Inland waterway transport Classification code (ADN) : M6 Special provisions (ADN) : 274, 335, 375, 601 Limited quantities (ADN) : 5 L Excepted quantities (ADN) : E1 Carriage permitted (ADN) : T Equipment required (ADN) : PP Number of blue cones/lights (ADN) : 0	Air transport PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y964 PCA limited quantity max net quantity (IATA) : 30kgG PCA packing instructions (IATA) : 964 PCA max net quantity (IATA) : 450L CAO packing instructions (IATA) : 964 CAO max net quantity (IATA) : 450L Special provisions (IATA) : A97, A158, A197 ERG code (IATA) : 9L
Transport by sea Special provisions (IMDG) : 274, 335, 969 Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P001, LP01 Special packing provisions (IMDG) : PP1 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP2, TP29 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-F Stowage category (IMDG) : A	Rail transport Classification code (RID) : M6 Special provisions (RID) : 274, 335, 375, 601 Limited quantities (RID) : 5L Excepted quantities (RID) : E1 Packing instructions (RID) : P001, IBC03, LP01, R001 Special packing provisions (RID) : PP1 Mixed packing provisions (RID) : MP19 Portable tank and bulk container instructions (RID) : T4 Portable tank and bulk container special provisions (RID) : TP1, TP29 Tank codes for RID tanks (RID) : LGBV Transport category (RID) : 3 Special provisions for carriage – Packages (RID) : W12 Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31 Colis express (express parcels) (RID) : CE8 Hazard identification number (RID) : 90

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable **SECTION 15: Regulatory information**

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

15.1.1. EU-Regulations. No Annex XVII restrictions. Contains no REACH candidate substance

15.1.2. National regulations. No additional information available

15.2. Chemical safety assessment. The mixture is registered as a plant protection product according to Regulation (EC) No.1107 / 2009.

### **SECTION 16: Other information**

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral) Acute toxicity (oral) Category 4 Aquatic Chronic 2 Hazardous to the aquatic environment Chronic Hazard Category 2 Aquatic Chronic 1 Hazardous to the aquatic environment Chronic Hazard Category 1 Aquatic Acute 1 Hazardous to the aquatic environment Acute Hazard Category 1 Eye Dam. 1 Serious eye damage/eye irritation Category 1 Repr. 2 Reproductive toxicity Category 2 Skin Corr. 1B skin corrosion/irritation Category 1B Skin Sens. 1 Skin sensitisation Category 1	H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H361d Suspected of damaging the unborn child. 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
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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

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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.