

CLAYTON PLANT PROTECTION

CLAYTON KWIZ Safety Data Sheet according to Regulation (EU) No. 1907/2006. Version 1/dsc 12/11/2019

This version replaces all previous versions

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

1.1. Product identifier CLAYTON KWIZ

1.2. Relevant identified uses of the substance or mixture and uses advised. HERBICIDE

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.com 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]

Aspiration hazard Category 1 - (H304)

Serious eye damage/eye irritation Category 2 - (H319)

Specific target organ toxicity (single exposure) Category 3 - (H336)

Hazardous to the Aquatic Environment - Chronic Hazard Category 2 - (H411)

Xi;R36 - Xn;R65 - R66 - R67 - N;R51/53

Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

Page 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008

Hazard pictograms



Signal word: Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P102 - Keep out of reach of children

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

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

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

P501 - Dispose of contents/ container to an approved waste disposal plant

EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use Additional phrases for PPP

SP1 - Do not contaminate water with the product or its container

2.3. Other hazards No information available

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

| Chemical Name | Weight % | CAS No | EC No | Index No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Classification according to 67/548/EEC | M-Factor | REACH Registration Number |
|--|----------|-------------|-----------|----------|---|--|----------|---------------------------|
| Quizalofop-p-ethyl | 4-7 | 100646-51-3 | - | - | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | N; R50-53 | | - |
| Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt | 1-3 | N/A | - | - | Skin Irrit. 2 (H315) Eye Dam. 1 (H318) | Xi; R41, R38 | | 01-21195605 92-37 |
| 2-Ethylhexanol | 1-3 | 104-76-7 | 203-234-3 | - | STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) | Xi; R36/37/38 Xn; R20 | | 01-21194872 89-20 |
| Poly(oxy-1,2ethanediyl), alpha.[tris(1-phenylethyl)phenyl]-.omega.-hydroxy | 2-4 | 99734-09-5 | - | - | Aquatic Chronic 3 (H412) | R52/53 | | - |
| Hydrocarbons, C10, aromatics, <1% naphthalene | 81-90 | N/A | 918-811-1 | - | STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066) | N; R51/53 R65; R66; R67 | | 01-21194635 83-34-0005 |

Full text of R-phrases: see section 16

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

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection.

Inhalation : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin Contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Consult a physician if necessary.

Eye contact : Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

Ingestion : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Immediate medical attention is required.

Self-protection of the first aider : Use personal protective equipment as required.

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 Note to physicians : Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media : No information available.

5.2. Special hazards arising from the substance or mixture : No specific hazard known.

5.3. Advice for firefighters : In the event of fire, wear self-contained breathing apparatus In the event of fire and/or explosion do not breathe fumes

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Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders : Use personal protection recommended in Section 8.

6.2. Environmental precautions : Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up : Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections: Other Information See also section 8,13

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling : Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.

General Hygiene Considerations : When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities : Keep container tightly closed in a dry and wellventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers.

7.3. Specific end use(s)

Risk Management Methods (RMM) : The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Chemical Name | European Union | United Kingdom | France | Spain | Germany |
|----------------------------|---|---|--------------------------------------|--------|--|
| 2-Ethylhexanol 104-76-7 | | | | | TWA: 10 ppm TWA: 54 mg/m3 Ceiling / Peak: 10 ppm Ceiling / Peak: 54 mg/m3 TWA: 20 ppm TWA: 110 mg/m3 |
| Chemical Name | Austria | Switzerland | Poland | Norway | Ireland |
| 2-Ethylhexanol 104-76-7 | Skin STEL 100 ppm STEL 540 mg/m3 TWA: 50 ppm TWA: 270 mg/m3 | STEL: 20 ppm STEL: 110 mg/m3 TWA: 20 ppm TWA: 110 mg/m3 | STEL: 320 mg/m3 TWA: 160 mg/m3 | | |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration No information available. (PNEC)

8.2. Exposure controls

Engineering Controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Eye/face protection Tight sealing safety goggles.

Body Protection Suitable protective clothing, Apron, Gloves made of plastic or rubber.

General Hygiene Considerations : When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Regular cleaning of equipment, work area and clothing is recommended.

Environmental exposure controls : Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Property Values : Method : Remarks : Appearance.

Physical state : Liquid

Color : light yellow clear

Odour : Aromatic

Odour threshold : No data available

pH : 5.1 - 6.1 CIPAC MT 75.3

Melting point/freezing point °C : ---- Not Applicable

Boiling point/boiling range °C : No data available

Flash point °C : 62.1 CIPAC MT 12

Evaporation rate : Not Applicable

Flammability (solid, gas) : Not applicable for liquids

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Upper/lower flammability or explosive limits: No data available

Vapour pressure kPa : ---- Not Applicable

Vapour density : No data available

Relative density : 0.86 - 0.96 20 °C CIPAC MT 3.1

Solubility(ies) mg/l : ---- Not Applicable

Partition Coefficient (n-octanol/water) Log Pow See Section 12 for more information

Autoignition temperature °C : > 400 EEC A.15

Decomposition temperature °C : No data available

Kinematic viscosity mm²/s 40 °C : 0.789

Explosive properties : Not an explosive EEC A.14

Oxidizing properties : Not oxidizing EEC A.21

9.2. Other information

Bulk density g/ml : --- Not Applicable

Surface tension mN/m : 26.9 25 °C EEC A.5

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity : Not available.

10.2. Chemical stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions : None under normal processing.

10.4. Conditions to avoid : Heat, flames and sparks.

10.5. Incompatible materials : No information available

10.6. Hazardous decomposition products : None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

| Acute toxicity | Values | Species | Method | Remarks |
|---|---|------------|----------|------------------|
| Oral LD50 mg/kg | > 2000 | Rat | OECD 423 | |
| Dermal LD50 mg/kg | > 2000 | Rat | OECD 402 | |
| Inhalation LC50 mg/l/4h | > 5.6 | Rat | OECD 403 | |
| Skin corrosion/irritation | Non-irritating to the skin | Rabbit | OECD 404 | |
| Serious eye damage/eye irritation | Irritating to eyes | Rabbit | OECD 405 | |
| Respiratory/skin sensitization | Not a skin sensitizer | Guinea pig | OECD 406 | Chronic toxicity |
| Germ cell mutagenicity | | | | |
| Chemical Name Quizalofop-p-ethyl | : Not classified | | | |
| Carcinogenicity Chemical Name Quizalofop-p-ethyl | : Not Carcinogenic | | | |
| Reproductive toxicity . Chemical Name Quizalofop-p-ethyl | : Not toxic for the reproductive system | | | |
| STOT - single exposure Chemical Name Quizalofop-p-ethyl | : No data available | | | |
| STOT - repeated exposure Chemical Name Quizalofop-p-ethyl | : No data available | | | |
| hazard Chemical Name Quizalofop-p-ethyl | : No data available | | | |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity

| Acute toxicity | Values | Species | Method | Remarks |
|-----------------------------|--------|---------------------|----------|-------------|
| Fish 96-hour LC50 mg/l | 5.6 | Oncorhynchus mykiss | OECD 203 | |
| Crustacea 48-hour EC50 mg/l | 13.5 | Daphnia magna | OECD 202 | |
| Algae 72-hour EC50 mg/l | 38.7 | P. subcapitata | OECD 201 | Growth rate |
| Other plants EC50 mg/l | 66.5 | Lemna minor | OECD 221 | 7 days |

Terrestrial Toxicity

Birds Oral LD50 mg/kg Chemical Name Quizalofop-p-ethyl : > 2000

Bees Oral LD50 µg/bee Chemical Name Quizalofop-p-ethyl : > 94 OECD 213, OECD 214

12.2. Persistence and degradability

Abiotic Degradation Values Method Remarks

Water DT50 days

Chemical Name Quizalofop-p-ethyl : < 1 OECD 308

Soil DT50 days

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Chemical Name Quizalofop-p-ethyl : < 0.5 OECD 307

Biodegradation

Chemical Name Quizalofop-p-ethyl : No data available

12.3. Bioaccumulative potential

| Partition Coefficient (n-octanol/water) Log Pow | Values | Method | Remarks |
|---|--------|--------|---------|
|---|--------|--------|---------|

| | | | |
|------------------------------------|-----|----------|--|
| Chemical Name Quizalofop-p-ethyl : | 2.8 | OECD 107 | |
|------------------------------------|-----|----------|--|

Bioconcentration factor (BCF)

| | | | |
|------------------------------------|--|--|-----|
| Chemical Name Quizalofop-p-ethyl : | | | Low |
|------------------------------------|--|--|-----|

12.4. Mobility in soil

| Adsorption/Desorption | Values | Method | Remarks |
|-----------------------|--------|--------|---------|
|-----------------------|--------|--------|---------|

| | | | |
|----------------------------------|--|--|-------------------|
| Chemical Name Quizalofop-p-ethyl | | | No data available |
|----------------------------------|--|--|-------------------|

12.5. Results of 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 : No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused : Disposal should be in accordance with applicable regional, national and local laws and products regulations.

Contaminated packaging : Improper disposal or reuse of this container may be dangerous and illegal.

Other Information : Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION IMDG/IMO

14.1 UN/ID No 3082

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quizalofop-pethyl; Hydrocarbons, C10, aromatics, <1% naphthalene)

14.3 Hazard Class 9

14.4 Packing Group III

14.5 Marine pollutant Yes

14.6 Special precautions for user

RID/ADR

14.1 UN/ID No 3082

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quizalofop-pethyl; Hydrocarbons, C10, aromatics, <1% naphthalene)

14.3 Hazard Class 9

14.4 Packing Group III

14.5 Environmental hazard Yes

14.6 Special precautions for user

ICAO/IATA

14.1 UN/ID No 3082

14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quizalofop-pethyl; Hydrocarbons, C10, aromatics, <1% naphthalene)

14.3 Hazard Class 9

14.4 Packing Group III

14.5 Environmental hazard Yes

14.6 Special precautions for user

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

Section 15: REGULATORY INFORMATION

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

15.2. Chemical safety assessment A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3 R20 - Harmful by inhalation R65 - Harmful: may cause lung damage if swallowed R66 - Repeated exposure may cause skin dryness or cracking R67 - Vapours may cause drowsiness and dizziness R36 - Irritating to eyes R38 - Irritating to skin R41 - Risk of serious damage to eyes R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment R36/37/38 - Irritating to eyes, respiratory system and skin

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Full text of H-Statements referred to under sections 2 and 3 H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects H335 - May cause respiratory irritation H315 - Causes skin irritation H319 - Causes serious eye irritation H332 - Harmful if inhaled H318 - Causes serious eye damage H336 - May cause drowsiness or dizziness H304 - May be fatal if swallowed and enters airways H411 - Toxic to aquatic life with long lasting effects EUH066 - Repeated exposure may cause skin dryness or cracking H412 - Harmful to aquatic life with long lasting effects

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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.