

CLAYTON PLANT PROTECTION

CLAYTON XENON Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 05/11/2020
This version replaces all previous versions

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

1.1. Product identifier CLAYTON XENON

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 :

Clayton Plant Protection 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]

Skin Sens. 1 H317

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

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

R43 N; R50/53 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects. May cause an allergic skin reaction Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Warning

Hazard statements (CLP) :

H317 - May cause an allergic skin reaction

H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) :

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

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

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

P501 - Dispose of contents/container in accordance with local and national regulations

EUH phrases :

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

2.3. Other hazards No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 (CLP)
Carfentrazone-ethyl	(CAS No) 128639-02-1 (EC index no) 607-309-00-5	< 10	N; R50/53	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Polyether modified trisiloxane	(CAS No) 134180-76-0	< 5	Xn; R20/21 Xi; R36 N; R51/53	Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Solvent naphtha (petroleum), light arom.	(CAS No) 64742-95-6 (EC no) 265-199-0 (REACH-no) 01-211945585135	< 5	R10 Xn; R65 R66 R67 Xi; R37 N; R51/53	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Calcium dodecylbenzenesulphonate	(CAS No) 26264-06-2 (EC no) 247-557-8	< 5	Xi; R38 Xi; R41	Skin Irrit. 2, H315 Eye Dam. 1, H318
butan-1-ol	CAS No) 71-36-3 (EC no) 200-751-6 (EC index no) 603-004-00-6 (REACH-no) 01-211948463038	< 5	R10 Xn; R22 Xi; R41 Xi; R37/38 R67	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person to the fresh air If you feel unwell, seek medical advice.

First-aid measures after skin contact : Remove all contaminated clothing and footwear Wash with soapy water If case of redness or irritation, call a doctor.

First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum) If irritation persists, consult an eye specialist.

First-aid measures after ingestion : Rinse mouth out with water Never attempt to induce vomiting Take medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed - Symptoms/injuries after skin contact : Irritation Exposure may produce an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically and supportively in response to reactions of patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media Suitable extinguishing media : Powder Foam Carbon dioxide (CO₂). Unsuitable extinguishing media : Water (the product is dangerous for the environment - do not dilute it).

5.2. Special hazards arising from the substance or mixture. Fire hazard : During combustion : Toxic vapours may be released.

5.3. Advice for firefighters. Firefighting instructions : Isolate fire area. Evacuate downwind Do not breathe fumes Contain the extinguishing fluids by bunding (the product is hazardous for the environment).

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 : 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. Do not allow product to spread into the environment. Contain the spilled material by bunding (product is hazardous for the environment).

6.3. Methods and material for containment and cleaning up. For containment : Absorb spillage with inert absorbent material Sand/earth. Neutralize non-recoverable product with a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol). Methods for cleaning up : Wash with plenty of water and detergent. Dispose of contaminated material 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. Avoid contact with skin and eyes.

Hygiene measures : Always wash hands after handling the product. Always take a shower after work. Separate working clothes from normal clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities. Storage conditions : Store in dry, cool, well-ventilated area. Keep away from ignition sources. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Incompatible materials : Strong oxidizing agents. Packaging materials : Original packaging.

7.3. Specific end use(s) No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters No additional information available

8.2. Exposure controls. Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Nitrile-rubber protective gloves Neoprene protective gloves.

Eye protection : Safety glasses with side shields.

Skin and body protection : Handling product in large quantities: Impermeable suit (Hypalon, Tyvek, Saranex, PVC...).

Respiratory protection : In the event of insufficient ventilation: Filtering respiratory protective device with a pesticide canister.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : yellow orange Translucent. Odour : Paste. Odour threshold : Not applicable pH : 4,86 pH solution : 1 % Relative evaporation rate (butyl acetate=1) : Not applicable Melting point : Not applicable Boiling point : Not applicable Flash point : 111 °C	Auto-ignition temperature : 356 °C Decomposition temperature : Not applicable Flammability (solid, gas) : Not applicable Vapour pressure : Not applicable Relative vapour density at 20 °C : Not applicable Relative density : 0,9308 (20°C)	Solubility : Water: Dispersion Log Pow : Not applicable Viscosity, kinematic : 20,42 mm ² /s (40°C) Viscosity, dynamic : No data available Explosive properties : Not explosive. Oxidising properties : Non oxidizing material. Explosive limits : No data available
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9.2. Other information No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions None under normal conditions.

10.4. Conditions to avoid None to our knowledge.

10.5. Incompatible materials Strong oxidizing agents.

10.6. Hazardous decomposition products. On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxides (CO, CO₂) Hydrogen fluoride Ketones Aldehyde Hydrochloric acid Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

LD50 oral rat > 2000 mg/kg. LD50 dermal rat > 2000 mg/kg. LC50 inhalation rat > 5,11 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Carfentrazone-ethyl (128639-02-1) NOAEL, rat 50 ppm (3 mg/kg bw/day 2 years)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity Ecology - general : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. ErC50 (algae) 0,537 mg/l NOEC chronic algae 0,1 mg/l

12.2. Persistence and degradability Carfentrazone-ethyl (128639-02-1)

Half-life (in water) : 8.3 days (pH = 5) Half-life (in soil) : < 1.5 days.

12.3. Bioaccumulative potential Carfentrazone-ethyl (128639-02-1) BCF 159 Log Pow 3,36 (20°C)

12.4. Mobility in soil Carfentrazone-ethyl (128639-02-1) Ecology - soil Very mobile.

12.5. Results of PBT and vPvB assessment Carfentrazone-ethyl (128639-02-1) Moderately persistent

12.6. Other adverse effects No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods : Discharging into rivers and drains is forbidden. Dispose of in accordance with relevant local regulations. Incinerate at a licensed installation. Do not re-use empty containers.

Additional information : The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

SECTION 14: Transport information

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

14.1. UN number UN-No. (ADR/RID) : 3082 UN-No.(IATA) : 3082 UN-No. (IMDG) : 3082

14.2. UN proper shipping name

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport document description : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(Carfentrazone ethyl(128639-02-1), Polyether modified trisiloxane (134180-76-0)), 9, III, (E)

14.3. Transport hazard class(es) Class (ADR/RID) : 9 Class (IATA) : 9 Class (IMDG) : 9 Hazard labels (UN) : 9

14.4. Packing group Packing group (ADR/RID) : III Packing group (IMDG) : III

14.5. Environmental hazards Dangerous for the environment :

14.6. Special precautions for user

14.6.1. Overland transport Hazard identification number (Kemler No.) : 90 Classification code (UN) : M6 Orange plates

Special provision (ADR) : 274 335 601

Transport category (ADR) : 3

Tunnel restriction code : E

Limited quantities (ADR) : 5L

Excepted quantities (ADR) : E1

EAC code : •3Z

14.6.2. Transport by sea MFAG-No : 171

14.6.3. Air transport No additional information available

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

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

15.1.2. National regulations No additional information available

15.2. Chemical safety assessment A chemical safety assessment acc. to art. 14 of Regulation (EC) No 1907/2006 is not required, because art. 15 of the same regulation applies

SECTION 16: Other information Indication of changes:

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal) Acute toxicity (dermal), Category 4	H226 Flammable liquid and vapour H302 Harmful if swallowed	R10 Flammable R20/21 Harmful by inhalation and in contact with skin
Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), Category 4	H304 May be fatal if swallowed and enters airways	R22 Harmful if swallowed
Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4	H312 Harmful in contact with skin H315 Causes skin irritation	R36 Irritating to eyes R37 Irritating to respiratory system
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1	H317 May cause an allergic skin reaction	R37/38 Irritating to respiratory system and skin
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1	H318 Causes serious eye damage H319 Causes serious eye irritation	R38 Irritating to skin R41 Risk of serious damage to eyes
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2	H332 Harmful if inhaled H335 May cause respiratory irritation	R43 May cause sensitisation by skin contact
Asp. Tox. 1 Aspiration hazard, Category 1	H336 May cause drowsiness or dizziness	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Eye Dam. 1 Serious eye damage/eye irritation, Category 1	H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2	H411 Toxic to aquatic life with long lasting effects	R65 Harmful: may cause lung damage if swallowed
Flam. Liq. 3 Flammable liquids, Category 3		R66 Repeated exposure may cause skin dryness or cracking
Skin Irrit. 2 Skin corrosion/irritation, Category 2		R67 Vapours may cause drowsiness and dizziness
Skin Sens. 1 Sensitisation — Skin, category 1		N Dangerous for the environment Xi Irritant
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis		Xn Harmful
STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation		

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.