

CLAYTON PLANT PROTECTION

CLAYTON XENON Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 20/10/2017

This version replaces all previous versions

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

1.1. Product identifier CLAYTON XENON (MAPP 18278)

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.cpp.ag Email: info@cpp.ag

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) :

GHS07



GHS09

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

9.2. Other information No additional information available

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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)
SPOTLIGHT PLUS 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.
SPOTLIGHT PLUS ErC50 (algae) 0,537 mg/l NOEC chronic algae 0,1 mg/l
12.2. Persistence and degradability Carfentrazone-ethyl (128639-02-1)
Persistence and degradability 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 Component 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 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 H318 Causes serious eye damage	R37/38 Irritating to respiratory system and skin R38 Irritating to skin
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1	H319 Causes serious eye irritation H332 Harmful if inhaled	R41 Risk of serious damage to eyes R43 May cause sensitisation by skin contact
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2	H335 May cause respiratory irritation H336 May cause drowsiness or dizziness	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Asp. Tox. 1 Aspiration hazard, 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 Dam. 1 Serious eye damage/eye irritation, Category 1	H411 Toxic to aquatic life with long lasting effects	R65 Harmful: may cause lung damage if swallowed
Eye Irrit. 2 Serious eye damage/eye irritation, Category 2		R66 Repeated exposure may cause skin dryness or cracking
Flam. Liq. 3 Flammable liquids, Category 3		R67 Vapours may cause drowsiness and dizziness
Skin Irrit. 2 Skin corrosion/irritation, Category 2		N Dangerous for the environment
Skin Sens. 1 Sensitisation — Skin, category 1		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.