

CLAYTON PLANT PROTECTION

CLAYTON VAULT Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 25/08/2017 This version replaces all previous versions

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

1.1. Product identifier CLAYTON VAULT

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

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

Hazard pictograms (CLP)



Signal Word : Warning

Signal word (CLP) : Warning

Hazardous ingredients : Benzenesulfonic acid, mono-C10-13-alkyl derivs., sodium salts Hazard statements (CLP) :

H302 - Harmful if swallowed.

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

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P301+P312 - IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.

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.

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 Regulation (EC) No. 1272/2008 [CLP]
Acetamiprid	(CAS No) 135410-20-7 (EC index no) 608-032-00-2	20,2	Acute Tox. 4 (Oral), H302 Aquatic Chronic 3, H412
Benzenesulfonic acid, mono-C10-13-alkyl derivs., sodium salts	(CAS No) 90194-45-9 (EC no) 290-656-6	2,4	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In the event of any complaints or symptoms, avoid further exposure.

First-aid measures after inhalation : IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist call a doctor.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.

First-aid measures after ingestion : IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed Symptoms/injuries : No 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 : Water spray

Dry chemical powder; Alcohol resistant foam ; Carbon dioxide (CO2).

Unsuitable extinguishing media : Jet of water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Combustion or thermal decomposition may generate toxic vapours: chlorine compounds, nitrogen oxides, carbon monoxide, hydrocarbons.

5.3. Advice for firefighters. Firefighting instructions : Exercise caution when fighting any chemical fire.

Fight fire from safe distance and protected location. Do not breathe fumes

CLAYTON PLANT PROTECTION

CLAYTON VAULT Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 25/08/2017 This version replaces all previous versions

Cool closed containers exposed to fire with water spray. If possible, take the containers out of dangerous zone.

Contain fire-fighting water with dikes or absorbents to prevent migration and entry into sewers or streams.

Protection during firefighting : Wear suitable protective clothing, gloves, eye/face protection and respiratory protection

Wear a self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures. Protective equipment : Wear suitable protective clothing, gloves and eye or face protection.

Emergency procedures : Evacuate area. Ensure adequate ventilation. Avoid direct contact with the substance.

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.2. Environmental precautions. Prevent entry to sewers and public waters. Notify the authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up. For containment : Obey Federal, State and local regulations for Health & Safety and environmental protection when accidental spills is treated.

Methods for cleaning up : Small quantities of liquid spill: mix with soap solution Wash down with an excess of water

Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4. Reference to other sections Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling. Precautions for safe handling : Read label before use. Avoid contact with eyes, skin, nose and mouth. Do not breathe dust. Wear suitable protective clothing, gloves and eye/face protection.

Opened containers must be carefully closed and kept upright to avoid leakage.

Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

Contaminated work clothing should not be allowed out of the workplace.

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation.

Storage conditions : Prevent unauthorised access.

Keep locked up and out of the reach of children.

Keep in original containers, tightly closed.

Keep away from food, drink and animal feeding-stuffs.

Protect against frost.

Store in a cool, dry, well-ventilated place.

Keep away from heat and direct sunlight.

Avoid contact with : Water. Acids. Bases.

7.3. Specific end use(s) Insecticide for agricultural use. Refer to the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters Active ingredient : TLV/ACGIH Not listed.

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. General and/or local exhaust ventilation should be used to control atmosphere in work area.

Hand protection : Wear impervious gloves resistant to chemical. Gloves materials: e.g. Outside: rubber, vinyl chloride resin. Inside: cotton, rayon.

Eye protection : Safety goggles.

Skin and body protection : Protective clothing with long sleeves waterproof and resistant to chemicals. Rubber boots.

Respiratory protection : Wear appropriate dust mask protection.

Hygiene measures : Do not eat, drink or smoke while handling the product. Clean gloves with soap and water before removing. Wash hands and face with soap and water before eating, drinking or smoking. Clean equipment, premises and work clothes regularly. Work clothing should remain on the work area and stored separately from street clothes.

Environmental exposure controls : Discharge into the environment must be avoided. Do not contaminate surface and groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

CLAYTON PLANT PROTECTION

CLAYTON VAULT Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 25/08/2017 This version replaces all previous versions

Physical state : Solid Appearance : Granular solid. Colour : Blue. Odour: Weak odour. Odour threshold : No data available pH : > 4 but < 10 Relative evaporation rate (butylacetate=1) : No data available Melting point : Not applicable. Freezing point : Not applicable. Boiling point : Not applicable. Flash point : Not applicable. Auto-ignition temperature : No data available. Decomposition temperature : No data available.	Flammability (solid, gas) : This product doesn't have auto flammability in normal condition. Vapour pressure : Not applicable. Relative vapour density at 20 °C : Not applicable. Relative density : Pour density :0,673g/mL , Tap density :0,739g/mL Solubility : Soluble. Log Pow : 0,79 Log Kow : No data available. Viscosity, kinematic : No data available. Viscosity, dynamic : No data available. Explosive properties : It is not explosive. Oxidising properties : No oxidising properties. Explosive limits : No data available.
---	---

9.2. Other information Other properties : Surface tension : 32mN/m => 20 °C

SECTION 10: Stability and reactivity

- 10.1. Reactivity The product is stable at normal handling and storage conditions.
10.2. Chemical stability The product is stable at normal handling and storage conditions.
10.3. Possibility of hazardous reactions Hazardous polymerization does not occur. Is not explosive and does not exhibit oxidant properties.
10.4. Conditions to avoid High temperature.
10.5. Incompatible materials Strong oxidizing agents. Strong acids. strong bases.
10.6. Hazardous decomposition products Combustion or thermal decomposition may generate toxic vapours: Carbon oxides, nitrogen oxides, hydrogen chloride and organic compounds.

SECTION 11: Toxicological information

11.1. Information on toxicological effects. Acute toxicity : Harmful if swallowed.

Gazelle SG : LD50 oral rat 1065 mg/kg
LD50 dermal rat > 2000 mg/kg
LC50 inhalation rat > 3,5 mg/l/4h
Skin corrosion/irritation : Not classified (Non irritant to rabbit skin)
Serious eye damage/irritation : Not classified (Not irritating to rabbit eyes) 20% Soluble Powder was used for this test.
Respiratory or skin sensitisation : Non-sensitising.
Germ cell mutagenicity : Not classified.
Acetamiprid (135410-20-7) Ames test : Negative
Chromosomal aberration test : Positive
Micronucleous test (mouse) : Negative
UDS study : Negative
Carcinogenicity : Not classified
Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Other information : Tetratogenicity: Negative (rat); Negative (rabbit)
Chronic Toxicity
Gazelle SG NOAEL (rat) 7,1 mg/kg/day (male) – 2 years 8,8 mg/kg/day (female) – 2 years
NOAEL (mouse) 20,3 mg/kg/day (male) – 1,5 years 25,2 mg/kg/day (female) – 1,5 years

SECTION 12: Ecological information

- 12.1. Toxicity
Gazelle SG LC50 Fishes > 100 mg/l (96hr)
EC50 Daphnia > 159 mg/l (48hr)
ErC50 Algae (Scenedesmus subspicatus) > 97,8 mg/l (72hr)
12.2. Persistence and degradability
Acetamiprid (135410-20-7) Persistence and degradability Not readily biodegradable.
12.3. Bioaccumulative potential
Acetamiprid (135410-20-7) Bioaccumulative potential This product is not bioaccumulable.
12.4. Mobility in soil Not applicable.
12.5. Results of PBT and vPvB assessment This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).
12.6. Other adverse effects Other adverse effects : Not available.

CLAYTON PLANT PROTECTION

CLAYTON VAULT Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc 25/08/2017 This version replaces all previous versions

SECTION 13: Disposal considerations

13.1. Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number UN-No. : 3077 UN-No.(IATA) : 3077

14.2. UN proper shipping name Proper Shipping Name : ENVIRONMETALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (Acetamiprid mixture)

Transport document description : UN 3077 ENVIRONMETALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, 9, III, (E)

14.3. Transport hazard class(es)

Class (UN) : 9 Class (IATA) : 9 - Miscellaneous dangerous goods. Hazard labels (UN) : 9

14.4. Packing group Packing group (UN) : III

14.5. Environmental hazards . Dangerous for the environment . Marine pollutant

14.6. Special precautions for user

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

14.6.2. Transport by sea No additional information available

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.

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 No additional information available

SECTION 16: Other information

Full text of H- and EUH-phrases:

Acute Tox. 4 (Oral) Acute toxicity (oral), Category 4

Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1

Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1

Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3

Eye Dam. 1 Serious eye damage/eye irritation, Category 1

Skin Irrit. 2 Skin corrosion/irritation, Category 2

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

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.