

## **CLAYTON PLANT PROTECTION**

**CLAYTON APT** Safety Data Sheet according to Regulation (EU) No. 1907/2006. Version 1/dsc 02/02/2021 This version replaces all previous versions

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

- 1.1. Product identifier CLAYTON APT
- 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  
Clayton Plant Protection Ltd., Bracetown Business Park, Clonee, Dublin. D15YT2T 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 in accordance with Regulation (EC) No 1272/2008 (CLP) Mixtures/Substances SDSEU2015 According to Regulation (EU) 2015/830 (REACH Annex II).

Hazardous to the aquatic environment — Acute Hazard, Category 1 H400

Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects - Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

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

Hazard Pictograms (CLP)



Signal word: Warning

Hazardous ingredients : Naphthalenesulfonic acid, methyl-, polymer with formaldehyde, sodium salt Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P391 - Collect spillage.

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean triple rinsed containers which can be disposed of as non-hazardous waste.

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

EUH210 - Safety data sheet available on request.

2.3. Other hazards This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

3.1. Substances Not applicable 3.2.

Mixtures

Name	Product identifier	Conc (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
flazasulfuron (ISO); 1-(4,6dimethoxypyrimidin-2-yl)-3-(3trifluoromethyl-2-pyridylsulfonyl)urea	(CAS-No.) 104040-78-0 (EC Index-No.) 016-085-00-2	25 - 50	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Quartz (SiO <sub>2</sub> )	(CAS-No.) 14808-60-7 (EC-No.) 238-878-4	20 - 25	Not classified
Naphthalenesulfonic acid, methyl-, polymer with formaldehyde, sodium salt	(CAS-No.) 81065-51-2	<= 10	Eye Dam. 1, H318
Sodium di-isopropyl naphthalene sulphonate	(CAS-No.) 1322-93-6 (EC-No.) 215-343-3	<= 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

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

4.1. Description of first aid measures

First-aid measures general : Consult a doctor/medical service if you feel unwell.

First-aid measures after inhalation : Move the affected person to the fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Wash skin with mild soap and water. If skin irritation occurs: Get medical advice/attention.

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First-aid measures after eye contact : Immediately rinse with plenty of water. Consult an eye specialist if necessary.  
First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed Symptoms/effects : None known.

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 : Polyvalent foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Strong water jet.

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

Hazardous decomposition products in case of fire : Corrosive vapours. Nitrous fumes. Hydrofluoric Acid. Sulphur oxides. Carbon monoxide. Carbon dioxide.

#### 5.3. Advice for firefighters

Firefighting instructions : Dilute toxic gases with water spray. Prevent firefighting water from entering the environment.

Contain the extinguishing fluids by bunding (the product is hazardous for the environment).

Protection during firefighting : Gloves. Protective non-flammable clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

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

6.1. Personal precautions, protective equipment and emergency procedures General measures : Avoid dust production. No naked flames.

6.1.1. For non-emergency personnel Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

Protective equipment : Protective gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Contain leaking substance, pump over in suitable containers. Dam up the solid spill. Knock down/dilute dust cloud with water spray. Prevent entry to sewers and public waters. Prevent soil and water pollution.

#### 6.3. Methods and material for containment and cleaning up

For containment : Prevent dispersion by covering with dry sand/earth.

Methods for cleaning up : Wash contaminated area with large amounts of water.

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 dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not discharge the waste into the drain.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove immediately contaminated clothing. Do not drink, eat or smoke in the workplace.

7.2. Conditions for safe storage, including any incompatibilities. Storage conditions : Keep the container hermetically sealed. Incompatible materials : Heat sources.

Special rules on packaging : Keep only in original container.

7.3. Specific end use(s). Herbicide.

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

8.1. Control parameters : No additional information available

8.2. Exposure controls : Appropriate engineering controls: Extraction to remove dust at its source. Provide local exhaust or general room ventilation.

Hand protection: PVC or other plastic material or natural rubber gloves

Eye protection: Safety glasses

Skin and body protection: Wear suitable protective clothing

Environmental exposure controls: Avoid release to the environment.

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

9.1. Information on basic physical and chemical properties

## **CLAYTON PLANT PROTECTION**

**CLAYTON APT** Safety Data Sheet according to Regulation (EU) No. 1907/2006. Version 1/dsc 02/02/2021 This version replaces all previous versions

Physical state : Solid Appearance : Granulate. Colour : brown. Odour : slight. Odour threshold : No data available pH : No data available pH solution : 4.84 (1 %) Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : Not applicable Boiling point : No data available Flash point : Not applicable Auto-ignition temperature : Not applicable	Decomposition temperature : No data available Flammability (solid, gas) : Non-flammable. Vapour pressure : No data available Relative vapour density at 20 °C : No data available Relative density : Not applicable Density : 840 kg/m <sup>3</sup> (25 °C) Solubility : No data available Log Pow : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive properties : Not explosive. Oxidising properties : Non oxidizing. Explosive limits : Not applicable
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### 9.2. Other information

VOC content : 0 %

Particles size : : > 710 µm (97.2 %)

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

10.1. Reactivity No dangerous reactions known under normal conditions of use.

10.2. Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions None under normal conditions.

10.4. Conditions to avoid Avoid dust formation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials None to our knowledge.

10.6. Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

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

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

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

LD50 oral rat 4694 mg/kg bodyweight (male); 4908 mg/kg bodyweight (female) (OECD 401 method)

LD50 dermal rat > 2000 mg/kg bodyweight

LC50 inhalation rat (mg/l) > 6.17 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 : Not classified (Based on available data, the classification criteria are not met)

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)

flazasulfuron (ISO); 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea (104040-78-0)

NOAEL (chronic, oral, animal/male, 2 years) > 70.1 mg/kg bodyweight /day (rat)

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

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

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

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Product:

LC50 fish 1 > 100 mg/l (96 Hours) (Oncorhynchus mykiss (Rainbow trout))

EC50 Daphnia 1 > 100 mg/l (48 Hours) (Daphnia magna)

ErC50 (algae) > 0.2 mg/l (72 Hours) (Pseudokirchneriella subcapitata) ErC50

(other aquatic plants) 0.0059 mg/l (7 days) (Lemna gibba)

flazasulfuron (ISO); 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea (104040-78-0)

NOEC chronic fish 5 mg/l (21 days) (Oncorhynchus mykiss (Rainbow trout))

NOEC chronic crustacea 6.2 mg/l (21d - Daphnia magna)

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**CLAYTON APT** Safety Data Sheet according to Regulation (EU) No. 1907/2006. Version 1/dsc 02/02/2021 This version replaces all previous versions

12.2. Persistence and degradability flazasulfuron (ISO); 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea (104040-78-0) Persistence and degradability. Not readily degradable in water.

12.3. Bioaccumulative potential

flazasulfuron (ISO); 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea (104040-78-0) Log Pow 1.3 (pH 5, 25°C, 99.8%); <-0.06 (pH 7, 25°C, 99.8%)

12.4. Mobility in soil

flazasulfuron (ISO); 1-(4,6-dimethoxypyrimidin-2-yl)-3-(3-trifluoromethyl-2-pyridylsulfonyl)urea (104040-78-0) Log Koc 1.77 (pH>6); 2.24 (pH<6)

12.5. Results of PBT and vPvB assessment

Product

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects : No additional information available

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

13.1. Waste treatment methods

Regional legislation (waste) : waste instructions.

Waste treatment methods : Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of in accordance with relevant local regulations. Ecology - waste materials : Do not discharge into drains or rivers.

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

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

Sections 14.1/ 14.2/ 14.3/ 14.4

ADR

Special provision(s) applied : 375

UN number 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron) Packing group III

IMDG Special provision(s) applied : 969

UN number 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron) MARINE POLLUTANT. Packing group III

IATA Special provision(s) applied : A197

UN number 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron) Packing group III

ADN Special provision(s) applied : 375

UN number 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron) Packing group III

RID Special provision(s) applied : 375

UN number 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Flazasulfuron) 9, III, Packing group III

14.5 Environmental hazards

ADR Dangerous for the environment : Yes

IMDG Dangerous for the environment : Yes Marine pollutant : Yes

IATA Dangerous for the environment : Yes

ADN Dangerous for the environment : Yes

RID Dangerous for the environment : Yes

No supplementary information available

14.6. Special precautions for user

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

Orange plates : 90 3077

EAC code : 2Z

Transport by sea No data available

Air transport No data available

Inland waterway transport Classification code (ADN) : M7

Number of blue cones/lights (ADN) : 0

Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\* Only in the case of transport in bulk. Rail transport. No data available

14.7. Transport in bulk according to Annex II of Marpol 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 Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 0 % Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations: National regulation

15.2. Chemical safety assessment : No chemical safety assessment has been carried out

**SECTION 16: Other information**

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.

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