

# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Annex II

## CLAYTON CANYON

Publish Date 10-April-2018

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

## CLAYTON CANYON

Pure substance/mixture Mixture

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

Recommended Use Fungicide  
Uses advised against No information available

#### 1.3. Details of the supplier of the safety data sheet

Supplier Address Clayton Plant Protection, Bracetown Business park,  
Clonee, Dublin 15, Ireland, Tel. +353 1 8014000

For further information, please contact dave@cpp.ag

#### Email address

1.4. Emergency telephone number National Chemical Emergency Centre (UK):  
Tel: 01865 407333 (24 hours)

#### Emergency Telephone

### Section 2: HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

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

Carcinogenicity Category 2 - (H351)  
Acute aquatic toxicity Category 1 - (H400)  
Hazardous to the Aquatic Environment - Chronic Hazard Category 2 - (H411)

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

Full text of R-phrases: see section 16

Carc. cat. 3;R40 - N;R50

## CLAYTON CANYON

### 2.2. Label elements

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

Hazard pictograms



Signal word

Warning

Hazard Statements

H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P102 - Keep out of reach of children  
P201 - Obtain special instructions before use  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P501 - Dispose of contents/ container to an approved waste disposal plant

EU Specific Hazard Statements

EUH208 - Contains folpet and methenamine. May produce an allergic reaction  
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

## 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
Folpet	38-42	133-07-3	205-088-6	613-045-00-1	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Carc. 2 (H351) Aquatic Acute 1 (H400)	Xn; R20 Xi; R36 R43 Carc.Cat.3; R40 N; R50	M=10	-
Sulfonated aromatic polymer, sodiumsalt	3.5-5	N/A	-	-	Eye Irrit. 2 (H319) ***	Xi; R36***		-
Fumaric acid	1-1.5	110-17-8	203-743-0	607-146-00-X	Eye Irrit. 2 (H319)	Xi; R36		-
methenamine	0.5-1	100-97-0	202-905-8	612-101-00-2	Flam. Sol. 2 (H228) Skin Sens. 1 (H317)	F; R11 R43		-

Full text of R-phrases: see section 16

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

## Section 4: FIRST AID MEASURES

## CLAYTON CANYON

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### 4.1. Description of first aid measures

<b>General advice</b>	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!.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	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. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** 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

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Use personal protective equipment as required.

#### **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.

## CLAYTON CANYON

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

#### **Methods for 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/vapors/spray. Do not eat, drink or smoke when using this product.

#### **General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

### 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	Austria	Switzerland	Poland	Norway	Ireland
methenamine 100-97-0			TWA: 4 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup> STEL: 6 mg/m <sup>3</sup>	

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

### 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.

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

**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

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## CLAYTON CANYON

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
<b>Appearance</b>			
Physical state	: liquid		
Color	: beige white		
Odor	: Organic Slight		
Odor threshold	: No data available		
pH	: 4.5-6	CIPAC MT 75.3	
Melting point/freezing point °C	: No data available		
Boiling point/boiling range °C	: No data available		
Flash point °C	: >80	EEC A.9	
Evaporation rate	: Not Applicable		
Flammability (solid, gas)	: Not Applicable		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: No data available		
Vapor density	: No data available		
Relative density	: 1.24-1.28	EEC A.3	22 °C
Solubility(ies) mg/l	: ----		Not Applicable
Partition Coefficient	:		See Section 12 for more information
(n-octanol/water) Log Pow			
Autoignition temperature °C	: >400	EEC A.15	
Decomposition temperature °C	: No data available		
Kinematic viscosity mm <sup>2</sup> /s 40 °C	: 1500	CIPAC MT 114	40 °C
Explosive properties	: Not an explosive		
Oxidizing properties	: No data available		
<b>9.2. Other information</b>			
Bulk density g/ml	:		
Surface tension mN/m	: ----		No data available

## 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

## CLAYTON CANYON

### Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: >5000	Rat	OECD 401	
Dermal LD50 mg/kg	: >2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	: >5.28	Rat	OECD 403	
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Not a skin sensitizer	Guinea pig	OECD 406	

### Chronic toxicity

#### Germ cell mutagenicity

##### Chemical Name

Folpet : Not classified

#### Carcinogenicity

##### Chemical Name

Folpet : Suspected of causing cancer

#### Reproductive toxicity

##### Chemical Name

Folpet : Not toxic for the reproductive system

#### STOT - single exposure

##### Chemical Name

Folpet : No data available

#### STOT - repeated exposure

##### Chemical Name

Folpet : No data available

#### Aspiration hazard

##### Chemical Name

Folpet : No data available

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Aquatic toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Acute toxicity Fish 96-hour LC50 mg/l	: 0.256	Oncorhynchus mykiss	OECD 204	
Crustacea 48-hour EC50 mg/l	: 3.9	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	: 48.4	Scenedesmus subspicatus	OECD 201	
Other plants EC50 mg/l	:		OECD 221	Not available

#### Terrestrial Toxicity

##### Birds Oral LD50 mg/kg

##### Chemical Name

Folpet : >2510 Bobwhite quail EPA 71-1

##### Bees Oral LD50 µg/bee

##### Chemical Name

Folpet : >236 EPPO 170 (1992)

### 12.2. Persistence and degradability

## CLAYTON CANYON

<b>Abiotic Degradation</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>Water DT50 days</b>			
<b>Chemical Name</b>			
Folpet	: <0.05	OECD 111	pH 7
<b>Soil DT50 days</b>			
<b>Chemical Name</b>			
Folpet	: 4.3	SETAC	25° C
<b>Biodegradation</b>			
<b>Chemical Name</b>			
Folpet	: Readily biodegradable	OECD 301 B	

### 12.3. Bioaccumulative potential

<b>Partition Coefficient (n-octanol/water) Log Pow</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>Chemical Name</b>			
Folpet	: 3.017		20 ° C
<b>Bioconcentration factor (BCF)</b>			
<b>Chemical Name</b>			
Folpet	: 56	OECD 305E	

### 12.4. Mobility in soil

<b>Adsorption/Desorption</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>Chemical Name</b>			
Folpet	: 304		Koc

### 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

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

### IMDG/IMO

<b>14.1 UN/ID No</b>	3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Folpet )
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing Group</b>	III
<b>14.5 Marine pollutant</b>	Yes
<b>14.6 Special precautions for user</b>	

## CLAYTON CANYON

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### RID/ADR

14.1 UN/ID No	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Folpet )
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. ( Folpet )
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 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

### 15.2. 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

R11 - Highly flammable  
R20 - Harmful by inhalation  
R36 - Irritating to eyes  
R40 - Limited evidence of a carcinogenic effect  
R43 - May cause sensitization by skin contact  
R50 - Very toxic to aquatic organisms  
R36/38 - Irritating to eyes and skin

### Full text of H-Statements referred to under sections 2 and 3

H228 - Flammable solid  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H351 - Suspected of causing cancer  
H400 - Very toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects



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

**Disclaimer**

**The information provided in this Material 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.**

**End of Safety Data Sheet**