

CLAYTON PLANT PROTECTION

CLAYTON SATCHMO Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 18/05/2015. This version replaces all previous versions.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier CLAYTON SATCHMO MAPP 17061

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended use : Herbicide

1.3. Details of the supplier of the safety data sheet : 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: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

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

Aspiration hazard Category 1 - (H304)

Serious eye damage/eye irritation Category 2 - (H319)

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. Xi;R36 - R66 - N;R51/53

2.2. Label elements

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

Hazard pictograms

Signal word Danger



Hazard statements

H304 - May be fatal if swallowed and enters airways.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 - Keep out of reach of children.

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 - Do NOT induce vomiting.

P501 - Dispose of contents/container to an approved waste disposal plant.

EU specific hazard statements

EUH066 - Repeated exposure may cause skin dryness or cracking.

EUH208 - Contains Propaquizafop. 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 SAMPLE

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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
Propaquizafop	7-12	111479-05-1	-	-	Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Xi; R43 N; R50-53		
Propylene carbonate	4-7	108-32-7	203-572-1	607-194-00-1	Eye Irrit. 2 (H319)	Xi; R36		01-21195372 32-48-0000
A fatty alcohol polyglycol ether	34-38	9043-30-5	-	-	Acute Tox. 4 (H302) Eye Dam. 1 (H318)	Xn; R22 Xi; R41		
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	40-45	N/A	922-153-0	-	Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411) (EUH066)	Xn; R65 R66 N; R51/53		0121194510 97-39-0005

Full text of R-phrases: see Section 16. Full text of H- and EUH-phrases: see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

CLAYTON PLANT PROTECTION

CLAYTON SATCHMO Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 18/05/2015. This version replaces all previous versions.

General advice 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! Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin contact - Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Eye contact - 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.

Ingestion Do NOT induce vomiting. Immediate medical attention is required. Rinse mouth.

Self-protection of the first aider 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: FIREFIGHTING 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. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. 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. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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 Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling. Advice on safe handling - Use personal protective equipment as required. Use only with adequate ventilation. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapours/spray.

General hygiene considerations - When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities - Storage conditions - Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labelled containers.

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 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, apron, gloves made of plastic or rubber. General hygiene considerations - When using do not eat, drink or smoke.

Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

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

Appearance Physical state : Liquid Colour : Amber Odour : Aromatic Odour threshold : No data available pH : 4.2 - 5.2 CIPAC MT 75.3 Melting point/freezing point °C : --- Not applicable Boiling point/boiling range °C : No data available Flash point °C : 102.6 CIPAC MT 12 Evaporation rate : Not applicable Flammability (solid, gas) : Not applicable for liquids Upper/lower flammability or explosive limits: No data available	Vapour pressure : --- Not applicable Vapour density : No data available Relative density : 1.043 CIPAC MT 3.3 20°C Solubility(ies) : --- Not applicable Partition coefficient : See Section 12 for more information (n-octanol/water) Log Pow Autoignition temperature °C : 354 EEC A.15 Decomposition temperature °C : No data available Kinematic viscosity mm ² /s 40°C : 16.2 OECD 114 Explosive properties : Not an explosive EEC A.14 Oxidising properties : Not oxidising
--	---

CLAYTON PLANT PROTECTION

CLAYTON SATCHMO Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 18/05/2015. This version replaces all previous versions.

9.2. Other information

Bulk density g/ml : --- Not applicable

Surface tension mN/m : 26.9 EEC A.5 25°C

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 Chemical name Propaquizafop Carbon oxides, Nitrogen oxides (NOx).

SECTION 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects Acute toxicity Values Species Method

Remarks Oral LD50 mg/kg : > 2000 Rat OECD 423

Dermal LD50 mg/kg : > 2000 Rat OECD 402 Inhalation LC50 mg/l/4h : > 5.15 Rat OECD 403

Skin corrosion/irritation : Non-irritating to the skin Rabbit OECD 404

Serious eye damage/eye irritation : Irritating to eyes Rabbit OECD 405

Respiratory/skin sensitisation : Not a skin sensitiser Guinea pig OECD 406

Chronic toxicity : Germ cell mutagenicity Chemical name Propaquizafop : Not classified

Carcinogenicity : Chemical name Propaquizafop : Not carcinogenic

Reproductive toxicity : Chemical name Propaquizafop : Not toxic for the reproductive system

STOT - single exposure : Chemical name Propaquizafop : Not available

STOT - repeated exposure : Chemical name Propaquizafop : Not available Aspiration

hazard : Chemical name Propaquizafop : Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute toxicity

Aquatic toxicity Values Species Method Remarks

Fish 96-hour LC50 mg/l : 6.53 Rainbow trout OECD 203

Crustacea 48-hour EC50 mg/l : 12.9 Daphnia magna OECD 202

Algae 72-hour EC50 mg/l : 2.99 D. Subspicatus OECD 201 Biomass

Other plants EC50 mg/l : Not available

Terrestrial toxicity

Birds oral LD50 mg/kg Chemical name Propaquizafop : > 2000 Bobwhite quail EPA-FIFRA 71-1

Bees oral LD50 mcg/bee Chemical name Propaquizafop : --- Not toxic to bees

12.2. Persistence and degradability

Abiotic degradation Values Method Remarks

Water DT50 days

Chemical name Propaquizafop : 32 EPA-FIFRA 161-2, 161-3 pH 7, 25°C

Soil DT50 days Chemical name Propaquizafop : --- No data available

Biodegradation Chemical name Propaquizafop : Not readily biodegradable OECD 301 B

12.3. Bioaccumulative potential

Partition coefficient(n-octanol/water) Log Pow Values Method Remarks

Chemical name Propaquizafop : 4.78 OECD 117 25°C

Bioconcentration factor (BCF) Chemical name Propaquizafop : --- Low

12.4. Mobility in soil Adsorption/desorption Values Method Remarks

Chemical name Propaquizafop : --- OECD 106 No data available

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.

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

CLAYTON PLANT PROTECTION

CLAYTON SATCHMO Safety Data Sheet according to Regulation (EC) No. 1907/2006 and Regulation (EU) No. 453/2010. Version 1/dsc 18/05/2015. This version replaces all previous versions.

SECTION 14: TRANSPORTATION INFORMATION

IMDG/IMO	14.1 UN/ID No. 3082 14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propaquizafop Hydrocarbons, C10-13, aromatics, <1% naphthalene) 14.3 Hazard class 9 14.4 Packing group III 14.5 Marine pollutant Yes 14.6 Special precautions for user
RID/ADR	14.1 UN/ID No. 3082 14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Propaquizafop Hydrocarbons, C10-13, aromatics, <1% naphthalene) 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. (Propaquizafop Hydrocarbons, C10-13, aromatics, <1% naphthalene) 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.

R66 - Repeated exposure may cause skin dryness or cracking

R65 - Harmful: may cause lung damage if swallowed

R41 - Risk of serious damage to eyes R22 - Harmful if swallowed

R43 - May cause sensitisation by skin contact

R36 - Irritating to eyes

R51/53 - Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R50/53 - Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment Full

text of H-Statements referred to under Sections 2 and 3.

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H302 - Harmful if swallowed

H318 - Causes serious eye damage H304 - May be fatal if swallowed and enters airways

H411 - Toxic to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

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

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.