**CLAYTON MARITIME** Safety Data Sheet according to Regulation (EU) No. 453/2010. Version 1/dsc/02/06/2015 This version replaces all previous versions.

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

1.1. Product identifier CLAYTON MARITIME. 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: 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: HAZARD IDENTIFICATION**

2.1 Classification of the substance or mixture

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

Aspiration hazard Category 1 - (H304)

Specific target organ toxicity (single exposure) Category 3 - (H335)

Hazardous to the Aquatic Environment - Chronic Hazard - Category 2 - (H411)

Flammable liquids Category 3 - (H226)

Classification according to Directive 67/548/EEC or 1999/45/EC Full text of R-phrases: see section 16

R10 - Xn; R65 - Xi; R37 - R66 - R67 - N; R51-53

2.2. Label elements

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

Hazard pictograms

<u>(!)</u>





Signal word Danger

Hazard Statements

H304 - May be fatal if swallowed and enters airways

H335 - May cause respiratory irritation

H411 - Toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapour

**Precautionary Statements** 

P102 - Keep out of reach of children

P210 -Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 - Take precautionary measures against static discharge

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

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

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	Classification	Classification	M-	REACH
	%			No	according to	according to	Factor	Registration
					Regulation (EC) No.	67/548/EEC		Number
					1272/2008 [CLP]			
Bupirimate	25-30	41483-43-6	255-391-2	-	Aquatic Chronic 2	N;R51-53		
					(H411)			
n-Butan-1-ol	31-34	71-36-3	200-751-6	603-	STOT SE 3 (H335)	R10 Xn; R22		
				004-	STOT SE 3 (H336)	Xi; R37/38-		
				00-6	Skin Irrit. 2 (H315)	41 R67		
					Eye Dam. 1 (H318)			
					Acute Tox. 4 (H302)			
					Flam Liq. 3 (H226)			
Hydrocarbons, C10,	14-17	N/A	918-811-1	-	STOT SE 3 (H336)	N; R51/53		01-
aromatics, <1%					Asp. Tox. 1 (H304)	R65; R66;		21194635
naphthalene					Aquatic Chronic 2	R67		83-34-0005
					(H411) (EUH066)			
Hydrocarbons C11-	8.5-13	N/A	926-141-6	-	Asp. Tox. 1 (H304)	Xn;R65-66		01-
C14, n-alkanes,					(EUH066)			21194566
isoalkanes, cyclics								20-43
<2% aromatic								
Benzenesulfonic acid,	1-1.7	N/A	-	-	Skin Irrit. 2 (H315)	Xi; R41, R38		01-
C10-13-alkyl derivs.,					Eye Dam. 1 (H318)			21195605
calcium salt					•			92-37

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



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#### **Section 4: FIRST AID MEASURES**

4.1. Description of first aid measures

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. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

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: 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: Wear self-contained breathing apparatus for fire-fighting if necessary

#### **Section 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition. Evacuate personnel to safe areas. Use only with adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. For emergency responders: Use personal protection recommended in Section 8.

- 6.2. Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
- 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 only with adequate ventilation. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapours /spray.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

- 7.2. Conditions for safe storage, including any incompatibilities: Storage Conditions: Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place.
- 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	European Union	United Kingdom	France	Spain	Germany
n-Butan-1-ol 71-		STEL: 50 ppm	STEL: 50 ppm	S* STEL: 50 ppm	TWA: 100 ppm
36-3		STEL: 154 mg/m3	STEL: 150 mg/m3	STEL: 154 mg/m3	TWA: 310 mg/m3
		Skin		_	Ceiling / Peak: 100
					ppm Ceiling /
					Peak: 310 mg/m3
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
n-Butan-1-ol 71-		TWA: 20 ppm		TWA: 50 ppm	Ceiling: 50 ppm
36-3				TWA: 150 mg/m3	Ceiling: 150
				STEL: 75 ppm	mg/m3 Skin
				STEL: 230 mg/m3	
				Skin	
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
n-Butan-1-ol 71-	STEL 200 ppm	STEL: 50 ppm	NDSCh: 150	Skin Ceiling: 25	STEL: 25 ppm
36-3	STEL 600 mg/m3	STEL: 150 mg/m3	mg/m3 TWA: 50	ppm Ceiling: 75	STEL: 75 mg/m3
	TWA: 50 ppm	TWA: 50 ppm	mg/m3 Skin	mg/m3	Skin
	TWA: 150 mg/m3	TWA: 150 mg/m3			



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#### 8.2. Exposure controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Eye/face - tight sealing safety goggles. Body Protection - Wear fire/flame

resistant/retardant clothing, Gloves made of plastic or rubber, Antistatic footwear, Suitable protective clothing, Apron.

Respiratory Protection : Use only with adequate ventilation.

General Hygiene Considerations: When using do not eat, drink or smoke. 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

7. 1. Information on basic physical and chemical		h
	Property	Values / Method / Remarks
Appearance	Physical state	Liquid:
	Colour	light yellow:
	Odour	Solvent:
	Odour threshold	No data available:
	рН	8.7 - 9.2 CIPAC MT 75.2:
Melting	point/freezing point °C	No data available :
Boiling	point/boiling range °C	No data available:
	Flash point °C	40 CIPAC MT 12.2:
	Not Applicable:	
Flammability (solid, gas) Upper/lower flamma	Not Applicable:	
	No data available:	
	No data available :	
	No data available:	
	0.88 - 0.98 EEC A.3:	
Partition Coefficient (n-o	No data available: See Section 12 for more	
		information
Autoi	No data available:	
Decomp	No data available	
Kinematic	Not available	
	Not an explosive	
	Oxidizing properties	No data available
Other inferrestion . Dull density sylvel .	Curfo an tompion moll/m	

9.2. Other information: Bulk density g/ml: Surface tension mN/m: Not Applicable

### **Section 10: STABILITY AND REACTIVITY**

10.1. Reactivity: No data 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

Acute toxicity	Values	Species	Method	Remarks
Oral LD50 mg/kg	> 2000:	Rat	JF 4260	
Dermal LD50 mg/kg	> 2000	Rat	JF 4260	
Inhalation LC50 mg/l/4h	> 5.3	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 Bupirimate	Not classified			
Carcinogenicity Chemical Name Bupirimate	Not carcinogenic			
Reproductive toxicity Chemical Name Bupirimate	Not classified			
STOT - single exposure Chemical Name Bupirimate	Not available			
STOT - repeated exposure Chemical Name Bupirimate	Not available			
Aspiration hazard Chemical Name Bupirimate	Not available			

### **Section 12: ECOLOGICAL INFORMATION**

12.1. Toxicity	Values	Species	Method	Remarks
Aquatic toxicity: Acute toxicity				
Fish 96-hour LC50 mg/l Crustacea 48-	6.2	Oncorhynchus mykiss		
hour EC50 mg/l Algae 72-hour EC50 mg/l	11.9	Daphnia magna	OECD 202:	
Other plants EC50 mg/l	1.55	P. subcapitata	OECD 201	Not available



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	la		
>5000	Coturnix japonica		
> 200			Oral
Values		Method	Remarks
165		SETAC	
22-69			
Not readily		OECD 301 D	
biodegradable			
3.68		Method	Remarks
			pH 7
			Not available
882 - 2822			Koc
	Values 165 22-69 Not readily biodegradable 3.68	> 200  Values 165 22-69  Not readily biodegradable  3.68	> 200  Values 165 22-69  Not readily biodegradable  3.68  Method  Method

<sup>12.5.</sup> Results of PBT and vPvB assessment: The components in this formulation do not meet the criteria for classification as PBT or vPvB

#### 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.

#### **Section 14: TRANSPORTATION INFORMATION**

IMDG/IMO 14.1 UN/ID No 1993 14.2 Proper shipping name FLAMMABLE LIQUID, N.O.S. ( 31-34% n-BUTANOL ) 14.3 Hazard Class 3 14.4 Packing Group III 14.5 Marine pollutant Yes 14.6 Special precautions for user RID/ADR 14.1 UN/ID No 1993 14.2 Proper shipping name FLAMMABLE LIQUID, N.O.S. ( 31-34% n-BUTANOL ) 14.3 Hazard Class 3 14.4 Packing Group III 14.5 Environmental hazard Yes 14.6 Special precautions for user ICAO/IATA 14.1 UN/ID No 1993 14.2 Proper shipping name FLAMMABLE LIQUID, N.O.S. ( 31-34% n-BUTANOL )

14.3 Hazard Class 3 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	Full text of H-Statements referred to under sections 2 and
R10 - Flammable	3
R22 - Harmful if swallowed	H226 - Flammable liquid and vapour
R37/38 - Irritating to respiratory system and skin	H302 - Harmful if swallowed
R38 - Irritating to skin	H304 - May be fatal if swallowed and enters airways
R41 - Risk of serious damage to eyes	H315 - Causes skin irritation
R65 - Harmful: may cause lung damage if swallowed	H318 - Causes serious eye damage
R66 - Repeated exposure may cause skin dryness or	H335 - May cause respiratory irritation
cracking	H336 - May cause drowsiness or dizziness
R67 - Vapours may cause drowsiness and dizziness	H411 - Toxic to aquatic life with long lasting effects
R51/53 - Toxic to aquatic organisms, may cause long-term	EUH066 - Repeated exposure may cause skin dryness or
adverse effects in the aquatic environment	cracking

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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<sup>12.6.</sup> Other adverse effects: No information available.