



Compilation Date: 11th November 2016

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Revision No: 1

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY /UNDERTAKING

1.1. Product identifier

Churchgate clear cup tealights Coastal Walk
C81802PR
30243805
5054077523509

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

Tealight candles

1.3. Details of the supplier of the safety data sheet

1.4. Emergency telephone number (Out of Office Hours)

Tel: +44 (0) 7570900688, +44 (0) 7734229960

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture (in accordance with Regulation (EC) No 1272/2008)

Classification under CLP: Chronic aquatic toxicity Category 3 - (H412)

Most important adverse effects: Chronic aquatic toxicity Category 3 - (H412)

2.2 Label elements (in accordance with Regulation (EC) No. 1272/2008)

Pictogram(s): None

Signal Word(s): None

Hazard Statement(s): H412 - Harmful to aquatic life with long lasting effects

Precautionary Statement(s): P273 - Avoid release to the environment

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

2.3 Other hazards

No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures

| Chemical Name | EC No | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------|-----------|------------|-----------|---|
| Paraffin wax | 265-154-5 | 64742-51-4 | 87.8-91.8 | Not classified |
| Palm wax | 273-313-5 | 68956-68-3 | 3-8 | Not classified |
| UV stabiliser | 221-573-5 | 3147-75-9 | 0-1 | Aquatic Chronic 4 (H413) |

| | | | | | |
|----------|--|-----------|-------------|------------|--|
| AR520616 | Benzoic acid, 2-hydroxy-, 3-methylbutyl ester | 201-730-4 | 87-20-7 | 0.125-0.5 | Aquatic Chronic 2(H411) |
| | 3,7-Dimethylocta-1,6-dien-3-ol | 201-134-4 | 78-70-6 | 0.125-0.5 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) |
| | Benzyl salicylate | 204-262-9 | 118-58-1 | 0.125-0.5 | Skin Sens. 1B (H317) STOT SE 2 (H371) Aquatic Chronic 3(H412) |
| | 3,7-Dimethylocta-2,6-dienal | 226-394-6 | 5392-40-5 | 0.125-0.5 | Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) |
| | 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol | 405-040-6 | 63500-71-0 | 0.05-0.125 | Eye Irrit. 2 (H319) |
| | 3-(4-tert-Butylphenyl)-2-methylpropanal | 201-289-8 | 80-54-6 | 0.05-0.125 | Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Repr. 2 (H361) Aquatic Chronic 2 (H411) |
| | (r)-p-mentha-1,8-diene | 227-813-5 | 5989-27-5 | 0.05-0.125 | Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Chronic 1 (H410) |
| | 3-Methyl-4-(2,6,6-trimethylcyclohex-2-en-1-yl)but-3-en-2-one | 204-846-3 | 127-51-5 | 0.05-0.125 | Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Chronic 2(H411) |
| | Cyclobutanate | 441-420-8 | 113889-23-9 | 0.05-0.125 | Aquatic Chronic 2(H411) |
| | 1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate | 204-116-4 | 115-95-7 | 0.05-0.125 | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) |
| | Hexyl salicylate | 228-408-6 | 6259-76-3 | 0.05-0.125 | Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Aquatic Chronic 1 (H410) |

The product identifier, the concentration or concentration ranges and the classifications shall be provided for at least all substances referred to in points 3.2.1 or 3.2.2 of (EC) No 1907/2006. Suppliers of mixtures may choose to list in addition all substances in the mixture, including substances not meeting the criteria for classification. This information shall allow easy identification of the hazards of substances within the mixture.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin/Hair: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician

Ingestion: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

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

Hazardous combustion products: No information available.

5.3 Advice for fire-fighters

Additional information: Firefighters should wear self-container breathing apparatus and full firefighting turnout gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

For emergency responders: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

6.2 Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and clearing up

Take up mechanically, placing in appropriate containers for disposal.

6.4 References to Other Sections

See Section 7 for more information.

See section 8 for more information.

See section 13 for more information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Store in accordance with the particular national regulations.

7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

| Chemical Name | Australia | Austria | Belgium | Denmark | European Union |
|------------------------------|----------------------|---------|---------|---------|----------------|
| Palm wax (CAS #: 68956-68-3) | 10 mg/m ³ | - | - | - | - |

| Chemical Name | Latvia | France | Finland | Germany | Italy |
|---|--------|---|--|--|-------|
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | | TWA: 1000 mg/m ³ STEL: 1500 mg/m ³ | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³ | TWA: 5 ppm TWA: 28 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m ³ Skin | - |

| Chemical Name | Poland | Portugal | Spain | Switzerland | Netherlands |
|--|---|----------|-------|--|-------------|
| 3,7-Dimethylocta-2,6-dienal (CAS #: 5392-40-5) | STEL: 54 mg/m ³ TWA: 27 mg/m ³ | - | S* | - | - |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | - | - | - | STEL: 40 ppm STEL: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³ | - |

| Chemical Name | Norway | United Kingdom | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--|--|----------------|---|----------|--|
| Palm wax (CAS #: 68956-68-3) | - | - | - | - | TWA: 10 mg/m ³ total mist TWA: 5 mg/m ³ respirable mist |
| 3,7-Dimethylocta-2,6-dienal (CAS #: 5392-40-5) | - | - | TWA: 5 ppm inhalable fraction and vapor S* | - | - |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | TWA: 25 ppm TWA: 140 mg/m ³ STEL: 25 ppm STEL: 140 mg/m ³ | - | - | - | - |

8.2 Exposure Controls

Engineering Controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

| | |
|--------------------------|---|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Hand Protection | Wear protective gloves. |
| Skin and body protection | Suitable protective clothing. |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. |

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Solid

Odour: No information available

Odour threshold: Not determined

pH: Not determined

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: Not determined

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Not determined

Vapour pressure: Not determined

Vapour density: Not determined

Relative density: Not determined

Solubility(ies): Insoluble in water

Partition coefficient: n-octanol/water: Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Not an explosive

Oxidising properties: Not determined

9.2. Other information

No information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No information 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

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

General information:

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------------------|--------------------------|-----------------|
| Paraffin wax (CAS #: 64742-51-4) | = 10000 mg/kg (Rat) | > 3600 mg/kg (Rabbit) | - |
| 3,7-Dimethylocta-1,6-dien-3-ol (CAS #: 78-70-6) | = 2790 mg/kg (Rat) | = 5610 mg/kg (Rat) | - |
| 3,7-Dimethylocta-2,6-dienal (CAS #: 5392-40-5) | = 4960 mg/kg (Rat) | = 2250 mg/kg (Rabbit) | - |
| Benzyl salicylate (CAS #: 118-58-1) | = 2227 mg/kg (Rat) | = 14150 mg/kg (Rabbit) | - |
| Benzoic acid, 2-hydroxy-, 3-methylbutyl ester (CAS #: 87-20-7) | = 3300 mg/kg (Rat) | - | - |
| 1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate (CAS #: 115-95-7) | = 13934 mg/kg (Rat) | - | - |
| Hexyl salicylate (CAS #: 6259-76-3) | > 5 g/kg (Rat) | > 5 g/kg (Rabbit) | - |
| 3-(4-tert-Butylphenyl)-2-methylpropanal (CAS #: 80-54-6) | = 1390 mg/kg (Rat) | > 2000 mg/kg (Rat) | - |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | = 4400 mg/kg (Rat) | > 5 g/kg (Rabbit) | - |

Inhalation: No information available.

Ingestion: No information available.

Skin contact: Non-irritating to the skin.

Eye contact: No eye irritation.

Carcinogenicity:

| Chemical Name | European Union | IARC |
|---|----------------|---------|
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | - | Group 3 |

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

| Chemical Name | Algae/aquatic plants EC50 | Fish LC50 | Crustacea EC50 |
|--|--|---|------------------------------------|
| 3,7-Dimethylocta-1,6-dien-3-ol (CAS #: 78-70-6) | 88.3: 96 h Desmodemus subspicatus mg/L EC50 | 22 - 46: 96 h Leuciscus idus mg/L LC50 static | - |
| 3,7-Dimethylocta-2,6-dienal (CAS #: 5392-40-5) | 16: 72 h Desmodemus subspicatus mg/L EC50 19: 96 h Desmodemus subspicatus mg/L EC50 | 4.6 - 10: 96 h Leuciscus idus mg/L LC50 static | 7: 48 h Daphnia magna mg/L EC50 |
| 3-(4-tert-Butylphenyl)-2- methylpropanal (CAS #: 80-54- 6) | - | 2.2 - 4.6: 96 h Brachydanio rerio mg/L LC50 static | - |
| (r)-p-mentha-1,8-diene (CAS #: 5989-27-5) | - | 0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow- through 35: 96 h Oncorhynchus mykiss mg/L LC50 | - |

12.2 Persistence and degradability

No information available.

12.3 Bio-accumulative potential

| Chemical Name | Partition coefficient (LogPow) |
|--|--------------------------------|
| 3,7-Dimethylocta-1,6-dien-3-ol (CAS #: 78-70-6) | 3.1 |
| 3,7-Dimethylocta-2,6-dienal (CAS #: 5392-40-5) | 2.76 |
| 3-(4-tert-Butylphenyl)-2-methylpropanal (CAS #: 80-54-6) | 4.2 |

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Road Transport Notes: N/A

Rail Transport Notes: N/A

Sea Transport Notes: N/A

Air Transport Notes: N/A

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Does not apply.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

| Component | EINECS/ELINCS | SVHC candidates | RESTRICTIONS - REACH TITLE VIII |
|---|---------------|-----------------|---------------------------------|
| Paraffin wax 64742-51-4 (87.8-91.8) | X | - | - |
| Palm wax 68956-68-3 (3-8) | X | - | - |
| UV stabiliser 3147-75-9 (0-1) | X | - | - |
| 3,7-Dimethylocta-1,6-dien-3-ol 78-70-6 (0.125-0.5) | X | - | - |
| 3,7-Dimethylocta-2,6-dienal 5392-40-5 (0.125-0.5) | X | - | - |
| Benzyl salicylate 118-58-1 (0.125-0.5) | X | - | - |
| Benzoic acid, 2-hydroxy-, 3-methylbutyl ester 87-20-7 (0.125-0.5) | X | - | - |
| 1,5-Dimethyl-1-vinylhex-4-en-1-yl acetate 115-95-7 (0.05-0.125) | X | - | - |
| Hexyl salicylate 6259-76-3 (0.05-0.125) | X | - | - |
| 3-(4-tert-Butylphenyl)-2-methylpropanal 80-54-6 (0.05-0.125) | X | - | - |
| Cyclobutanate 113889-23-9 (0.05-0.125) | X | - | - |
| 3-Methyl-4-(2,6,6-trimethylcyclohex-2-en-1-yl)but-3-en-2-one 127-51-5 (0.05-0.125) | X | - | - |
| 2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol 63500-71-0 (0.05-0.125) | X | - | - |
| (r)-p-mentha-1,8-diene 5989-27-5 (0.05-0.125) | X | - | - |

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

| Component | TSCA | DSL/NDSL | ENCS | IECSC | KECL | PICCS | AICS |
|--|------|----------|------|-------|------|-------|------|
| Paraffin wax 64742-51-4 (87.8-91.8) | X | X | X | X | X | X | X |
| Palm wax 68956-68-3 (3-8) | X | X | X | X | X | X | X |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| UV stabiliser 3147-75-9 (0-1) | X | X | X | X | X | X | X |
| 3,7-Dimethylocta- 1,6-dien-3-ol 78-70-6 (0.125-0.5) | X | X | X | X | X | X | X |
| 3,7-Dimethylocta- 2,6-dienal 5392-40-5 (0.125- 0.5) | X | X | X | X | X | X | X |
| Benzyl salicylate 118-58-1 (0.125-0.5) | X | X | X | X | X | X | X |
| Benzoic acid, 2- hydroxy-, 3- methylbutyl ester 87-20-7 (0.125-0.5) | X | X | X | X | X | X | X |
| 1,5-Dimethyl-1- vinylhex-4-en-1-yl acetate 115-95-7 (0.05- 0.125) | X | X | X | X | X | X | X |
| Hexyl salicylate 6259-76-3 (0.05- 0.125) | X | X | X | X | X | X | X |
| 3-(4-tert- Butylphenyl)-2- methylpropanal 80-54-6 (0.05-0.125) | X | X | X | X | X | X | X |
| Cyclobutanate 113889-23-9 (0.05- 0.125) | X | X | - | X | - | X | X |
| 3-Methyl-4-(2,6,6- trimethylcyclohex-2- en-1-yl)but-3-en-2- one 127-51-5 (0.05- 0.125) | X | X | X | X | X | X | X |
| 2-Isobutyl-4- methyltetrahydro- 2H-pyran-4-ol 63500-71-0 (0.05- 0.125) | X | X | - | X | X | X | X |
| (r)-p-mentha-1,8- diene 5989-27-5 (0.05- 0.125) | X | X | X | X | X | X | X |

"-" Not Listed

"X" Listed

15.2. Chemical Safety Assessment

No information available.

16. OTHER INFORMATION

Version 1 Date: 11-November-2016

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

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

IFA GESTIS: [http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng)

HSDB: <http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H226 - Flammable liquid and vapor

H413 - May cause long lasting harmful effects to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

H319 - Causes serious eye irritation.

H317 - May cause an allergic skin reaction.

H371 - May cause damage to organs.

H412 - Harmful to aquatic life with long lasting effects.

H302 - Harmful if swallowed.

H361 - Suspected of damaging fertility or the unborn child.

H304 - May be fatal if swallowed and enters airways.

Disclaimer

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.