



Compilation Date: 11<sup>th</sup> November 2016

Revision Date: 11<sup>th</sup> November 2016

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 Fresh Flowers

C81803PR

30243806

5054077523516

#### **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: Not classified.

Most important adverse effects: Not applicable.

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

Pictogram(s): None

Signal Word(s): None

Hazard Statement(s): Not applicable

Precautionary Statement(s): Not applicable.

#### **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)	
AR520624	3,7-Dimethylocta-1,6-dien-3-ol	201-134-4	78-70-6	0.5-1.25	Skin Irrit. 2(H315) Eye Irrit. 2(H319)
	2-phenylethanol	200-456-2	60-12-8	0.125-0.5	Acute Tox. 4(H302) Eye Irrit. 2(H319)
	Benzyl acetate	205-399-7	140-11-4	0.125-0.5	Aquatic Chronic 3 (H412)
	1,4-Dioxacycloheptadecane-5,17-dione	203-347-8	105-95-3	0.125-0.5	Not classified
	2,6-dimethyloct-7-en-2-ol	242-362-4	18479-58-8	0.125-0.5	Skin Irrit. 2(H315)
	(1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl)-cyclohexanol	272-556-4	68877-29-2	0.05-0.125	Skin Irrit. 2(H315) Aquatic Chronic 2(H411)
	2-Benzylideneoctanal	202-983-3	101-86-0	0.05-0.125	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
	3,7-Dimethyloct-6-en-1-ol	203-375-0	106-22-9	0.05-0.125	Skin Irrit. 2(H315) Skin Sens. 1B (H317) 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)
	7-Hydroxy-3,7-dimethyloctanal	203-518-7	107-75-5	0.05-0.125	Skin Sens. 1B (H317) Eye Irrit. 2(H319)
	Benzyl salicylate	204-262-9	118-58-1	0.05-0.125	Skin Sens. 1B (H317) STOT SE 2(H371) Aquatic Chronic 3(H412)
	2-benzylideneheptanal	204-541-5 453-530-3	122-40-7	0.05-0.125	Skin Sens. 1B (H317) Aquatic Chronic 2(H411)
	3-Phenylprop-2-en-1-ol	203-212-3	104-54-1	0.05-0.125	Skin Sens. 1B (H317)

*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-contained 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 <sup>3</sup>	-	-	-	-
Benzyl acetate (CAS #: 140-11-4)	-	-	-	TWA: 10 ppm TWA: 61 mg/m <sup>3</sup>	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Benzyl acetate (CAS #: 140-11-4)	TWA: 5 mg/m <sup>3</sup>	-	-	-	-
2-phenylethanol (CAS #: 60-12-8)		-	-	Skin	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Palm wax (CAS #: 68956-68-3)	-	-	-	-	TWA: 10 mg/m <sup>3</sup> total mist TWA: 5 mg/m <sup>3</sup> respirable mist
Benzyl acetate (CAS #: 140-11-4)	-	-	TWA: 10 ppm	-	-

## 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 )	-
Benzyl acetate (CAS #: 140-11-4)	= 2490 mg/kg ( Rat )	> 5 g/kg ( Rabbit ) > 5000 mg/kg ( Rabbit )	-
2-phenylethanol (CAS #: 60-12-8)	= 1790 mg/kg ( Rat )	= 0.79 mL/kg ( Rabbit ) = 790 µL/kg ( Rabbit )	> 1.38 mg/L ( Rat ) 4 h
2,6-dimethyloct-7-en-2-ol (CAS #: 18479-58-8)	= 3600 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
1,4-Dioxacycloheptadecane-5,17-dione (CAS #: 105-95-3)	> 5000 mg/kg bw (Rat)	> 5000 mg/kg bw (Rabbit)	-
2-Benzylideneoctanal (CAS #: 101-86-0)	= 3100 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	-
3,7-Dimethyloct-6-en-1-ol (CAS #: 106-22-9)	= 3450 mg/kg ( Rat )	= 2650 mg/kg ( Rabbit )	-
3-Phenylprop-2-en-1-ol (CAS #: 104-54-1)	= 2 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 )	-
Benzyl salicylate (CAS #: 118-58-1)	= 2227 mg/kg ( Rat )	= 14150 mg/kg ( Rabbit )	-
7-Hydroxy-3,7-dimethyloctanal (CAS #: 107-75-5)	> 5 g/kg ( Rat )	-	-
2-benzylideneheptanal (CAS #: 122-40-7)	= 3730 mg/kg ( Rat )	-	-

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
Benzyl acetate (CAS #: 140-11-4)	-	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 Desmodesmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	-
2-phenylethanol (CAS #: 60-12-8)	490: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static	-
1,4-Dioxacycloheptadecane-5,17-dione (CAS #: 105-95-3)	> 5.13 < 6.94 mg/L:72h Desmodesmus subspicatus	1.23 mg/L:96h Danio rerio	3.65 mg/L:48h Daphnia magna
3-(4-tert-Butylphenyl)-2-methylpropanal (CAS #: 80-54-6)	-	2.2 - 4.6: 96 h Brachydanio rerio mg/L LC50 static	-

**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
Benzyl acetate (CAS #: 140-11-4)	1.96
2-phenylethanol (CAS #: 60-12-8)	1.38
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	-	-
3,7-Dimethylocta-1,6-dien-3-ol 78-70-6 ( 0.5-1.25 )	X	-	-
UV stabiliser 3147-75-9 ( 0-1 )	X	-	-
Benzyl acetate 140-11-4 ( 0.125-0.5 )	X	-	-
2-phenylethanol 60-12-8 ( 0.125-0.5 )	X	-	-
2,6-dimethyloct-7-en-2-ol 18479-58-8 ( 0.125-0.5 )	X	-	-
1,4-Dioxacycloheptadecane-5,17-dione 105-95-3 ( 0.125-0.5 )	X	-	-
2-Benzylideneoctanal 101-86-0 ( 0.05-0.125 )	X	-	-
3,7-Dimethyloct-6-en-1-ol 106-22-9 ( 0.05-0.125 )	X	-	-
3-Phenylprop-2-en-1-ol 104-54-1 ( 0.05-0.125 )	X	-	-
3-(4-tert-Butylphenyl)-2-methylpropanal 80-54-6 ( 0.05-0.125 )	X	-	-
Benzyl salicylate 118-58-1 ( 0.05-0.125 )	X	-	-
7-Hydroxy-3,7-dimethyloctanal 107-75-5 ( 0.05-0.125 )	X	-	-
2-benzylideneheptanal 122-40-7 ( 0.05-0.125 )	X	-	-
(1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl)-cyclohexanol 68877-29-2 ( 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/NDL	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
3,7-Dimethylocta- 1,6-dien-3-ol 78-70-6 ( 0.5-1.25 )	X	X	X	X	X	X	X
UV stabiliser 3147-75-9 ( 0-1 )	X	X	X	X	X	X	X
Benzyl acetate 140-11-4 ( 0.125-0.5 )	X	X	X	X	X	X	X
2-phenylethanol 60-12-8 ( 0.125-0.5 )	X	X	X	X	X	X	X
2,6-dimethyloct-7- en-2-ol 18479-58-8 ( 0.125- 0.5 )	X	X	X	X	X	X	X
1,4- Dioxacycloheptadeca ne-5,17-dione 105-95-3 ( 0.125-0.5 )	X	X	X	X	X	X	X
2-Benzylideneoctanal 101-86-0 ( 0.05- 0.125 )	X	X	X	X	X	X	X
3,7-Dimethyloct-6- en-1-ol 106-22-9 ( 0.05- 0.125 )	X	X	X	X	X	X	X
3-Phenylprop-2-en-1- ol 104-54-1 ( 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
Benzyl salicylate 118-58-1 ( 0.05- 0.125 )	X	X	X	X	X	X	X
7-Hydroxy-3,7- dimethyloctanal 107-75-5 ( 0.05- 0.125 )	X	X	X	X	X	X	X
2- benzylideneheptanal 122-40-7 ( 0.05- 0.125 )	X	X	X	X	X	X	X

(1,7,7-Trimethylbicyclo[2.2.1]hept-2-yl)-cyclohexanol 68877-29-2 ( 0.05-0.125 )	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**

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

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H302 - Harmful if swallowed.

H412 - Harmful to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

H361 - Suspected of damaging fertility or the unborn child.

H371 - May cause damage to organs.

H412 - Harmful to aquatic life with long lasting effects.

**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.