



**SAFETY DATA SHEET**  
CHATSWORTH CITRONELLA GLASS CANDLE

**Page:** 1  
**Compilation date:** 12/02/2014  
**Revision date:** 19/11/2021  
**Revision No:** 2

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** CHATSWORTH CITRONELLA GLASS CANDLE  
**Product code:** CH0219

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

**Use of substance / mixture:** SU 21 - Consumer Uses.  
PC3: Air care products.

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

**Company name:** 151 Products (Ireland) Ltd  
Block 3  
Harcourt Centre, Harcourt Road  
Dublin  
DO2A339  
Ireland  
**Tel:** +(44) 839 5949  
**Email:** technical@151products.com

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 839 5949  
+353 (0) 18092166 National Poison Centre -Ireland  
(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Aquatic Chronic 3: H412; -: EUH208  
**Most important adverse effects:** Contains citral, terpinolene, geraniol, citronellal. May produce an allergic reaction.  
Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** EUH208: Contains citral, terpinolene, geraniol, citronellal. May produce an allergic reaction.

H412: Harmful to aquatic life with long lasting effects.

**Precautionary statements:** P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P501: Dispose of contents/container to Local Authority Regulations.

[cont...]

# SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 2

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### CITRAL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
226-394-6	5392-40-5	-	Skin Irrit. 2: H315; Skin Sens. 1: H317	<1%

##### TERPINOLENE

209-578-0	586-62-9	-	Aquatic Chronic 1: H410; Skin Sens. 1B: H317; Asp. Tox. 1: H304	<1%
-----------	----------	---	---	-----

##### L-LIMONENE

227-815-6	5989-54-8	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
-----------	-----------	---	---	-----

##### PINENE ALPHA

201-291-9	80-56-8	-	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Aquatic Chronic 1: H410; Skin Sens. 1: H317; Skin Irrit. 2: H315	<1%
-----------	---------	---	---	-----

**Contains:** Contains allergens >0.01%.

Citral

Citronellol

Geraniol

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the nose and upper respiratory tract.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

# SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 3

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area. KEEP OUT OF THE REACH OF CHILDREN.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

[cont...]

## SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 4

### DNEL/PNEC Values

#### Hazardous ingredients:

##### CITRAL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	9mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	1.7mg/kg	Workers	Systemic
DNEL	Inhalation	2.7mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal	1mg/kg	General Population	Systemic
DNEL	Dermal	140µg/cm <sup>2</sup>	General Population	Local
DNEL	Oral	0.6mg/kg	General Population	Systemic
PNEC	Fresh water	0.007mg/L	-	-
PNEC	Fresh water sediments	0.125mg/kg	-	-
PNEC	Marine water	0.001 mg/L	-	-
PNEC	Marine sediments	0.013mg/kg	-	-
PNEC	Soil	0.021mg/kg	-	-
PNEC	STP	1.6mg/L	-	-

##### TERPINOLENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	3.6 mg/m <sup>3</sup>	Workers	Systemic (Long Term Exposure)
DNEL	Dermal	0.52 mg/kg bw/day	Workers	Systemic (Long Term Exposure)
DNEL	Dermal	44 µg/cm <sup>2</sup>	Workers	Local (long Term Exposure)
DNEL	Inhalation	0.9 mg/m <sup>3</sup>	General Population	Systemic (Long Term Exposure)
DNEL	Dermal	0.26 mg/kg bw/day	General Population	Systemic (Long Term Exposure)
DNEL	Oral	0.26 mg/kg bw/day	General Population	Systemic (Long Term Exposure)
PNEC	Fresh water sediments	0.634 µg/L	-	-
PNEC	Fresh water sediments	147 µg/kg sediment d	-	-
PNEC	Marine water	0.063 µg/L	-	-
PNEC	Marine sediments	14.7 µg/kg sediment	-	-
PNEC	Soil	29.1 µg/kg soil dw	-	-

[cont...]

## SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 5

### L-LIMONENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (Long term)	33.3mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (Long term)	8.33mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (Short term)	111µg/cm <sup>2</sup>	General Population	Local
DNEL	Oral (Long term)	4.76mg/kg bw	General Population	Systemic
PNEC	Fresh water	5.4µg/L	-	-
PNEC	Fresh water sediments	1.32 mg/kg sediment	-	-
PNEC	Marine water	0.54µg/L	-	-
PNEC	Marine sediments	0.13kg sediment	-	-
PNEC	Microorganisms in sewage treatment	0.2mg/L	-	-
PNEC	Soil	0.262mg/kg soil	-	-
PNEC	Food chain	133mg/kg food	-	-

### PINENE ALPHA

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (Long term)	5.98 mg/m <sup>3</sup>	Workers	Systemic (ILong Term Exposure)
DNEL	Dermal (Long term)	161 µg/cm <sup>2</sup>	Workers	Local (Acute Exposure)
DNEL	Inhalation (Long term)	1.06 mg/m <sup>3</sup>	General Population	Systemic (ILong Term Exposure)
DNEL	Dermal (Long term)	81 µg/cm <sup>2</sup>	General Population	Systemic (ILong Term Exposure)
DNEL	Oral (Long term)	0.31 mg/kg bw/day	General Population	Systemic (ILong Term Exposure)
PNEC	Fresh water	4 µg/L	-	-
PNEC	Fresh water sediments	1.033 mg/kg sediment	-	-
PNEC	Marine water	0.4 µg/L	-	-
PNEC	Marine sediments	0.103 mg/kg sediment	-	-
PNEC	Soil	0.539 mg/kg soil dw	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** No special requirements under normal conditions of use.

**Hand protection:** No special requirements under normal conditions of use.

**Eye protection:** No special requirements under normal conditions of use.

**Skin protection:** No special requirements under normal conditions of use.

[cont...]

**SAFETY DATA SHEET**  
CHATSWORTH CITRONELLA GLASS CANDLE

Page: 6

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Solid

**Colour:** Yellow

**Odour:** Pleasant

**Solubility in water:** Insoluble

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Flames.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**CITRAL**

IPR	RAT	LD50	460	mg/kg
ORL	MUS	LD50	6	g/kg
ORL	RAT	LD50	4960	mg/kg

[cont...]

# SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 7

## TERPINOLENE

DERMAL	RABBIT	LD50	4300	mg/kg
ORAL	RAT	LD50	3740	mg/kg

## L-LIMONENE

DERMAL	RABBIT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>5000	mg/kg

## PINENE ALPHA

DERMAL	RABBIT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

**Toxicity values:** No data available.

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the nose and upper respiratory tract.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### CITRAL

Daphnia magna	48H EC50	6.8	mg/l
FRESHWATER FISH	96H LC50	6.78	mg/l
Scenedesmus Subspicatus	72H ErC50	103.8	mg/l

##### TERPINOLENE

Daphnia magna	48H EC50	0.634	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	0.805	mg/l

##### L-LIMONENE

FATHEAD MINNOW (Pimephales promelas)	96H LC50	720	µg/l
--------------------------------------	----------	-----	------

##### PINENE ALPHA

Daphnia magna	48H LC50	41	mg/l
---------------	----------	----	------

[cont...]

# SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 8

Fat Head Minnow	96H LC50	0.28	mg/l
-----------------	----------	------	------

## 12.2. Persistence and degradability

**Persistence and degradability:** Not readily biodegradable. The lack of a suitable leaving group renders paraffin and hydrocarbon waxes resistant to hydrolysis. As such, they have a very low potential to hydrolyze. Therefore, this degradative process will not contribute to their removal from the environment.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

## 12.4. Mobility in soil

**Mobility:** Insoluble in water.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Disposal should be in accordance with local authority regulations.

**Disposal of packaging:** Disposal should be in accordance with local authority regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**Specific regulations:** A REACH registration number is not applicable as this product is a mixture.

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains citral, terpinolene, geraniol, citronellal. May produce an allergic

[cont...]



## SAFETY DATA SHEET

CHATSWORTH CITRONELLA GLASS CANDLE

Page: 9

reaction.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.