



**SAFETY DATA SHEET**  
CHATSWORTH CITRONELLA FRAGRANCE OIL

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Compilation date: 14/08/2018  
Revision No: 1

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

**1.1. Product identifier**

**Product name:** CHATSWORTH CITRONELLA FRAGRANCE OIL  
**Product code:** CH0243

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

**Use of substance / mixture:** SU 21 - Consumer Uses.

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

**Company name:** 151 Products Limited  
The Old School House  
39 Bengal Street  
Manchester  
M4 6AF  
UK  
**Tel:** 0161 839 5949  
**Fax:** 0161 839 5493  
**Email:** [fereshteh@151.co.uk](mailto:fereshteh@151.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0)161 839 5949 (08:00 - 17:30)  
(office hours only)

**Section 2: Hazards identification**

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

**Classification under CLP:** Eye Irrit. 2: H319; Skin Sens. 1: H317

**Most important adverse effects:** May cause an allergic skin reaction. Causes serious eye irritation.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

**Precautionary statements:** P102: Keep out of reach of children.  
P264: Wash hands thoroughly after handling.

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P273: Avoid release to the environment.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P101: If medical advice is needed, have product container or label at hand.

P501: Dispose of contents/container to Local regional and national regulations.

### 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:

##### DIETHYL PHTHALATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-550-6	84-66-2	Substance with a Community workplace exposure limit.	-	10-25%

##### CITRAL

226-394-6	5392-40-5	-	Skin Irrit. 2: H315; Skin Sens. 1: H317	3-5%
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##### GERANIOL

203-377-1	106-24-1	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Skin Sens. 1: H317	1-3%
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##### CITRONELLAL

203-376-6	106-23-0	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317	1-3%
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##### OCTANAL

204-863-8	124-13-0	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411	1-3%
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##### NEROL

203-378-7	106-25-2	-	Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1B: H317	<1%
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**Contains:** Contains the following allergens >0.01%:

Citral

Geraniol

Citronellol

## Section 4: First aid measures

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**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.

**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 irritation of the throat.

**Inhalation:** No symptoms.

**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. Use water spray to cool containers.

**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. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

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

**Section 7: Handling and storage**

[cont...]

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## 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. 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 container tightly closed. 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.

### DNEL/PNEC Values

**Hazardous ingredients:**

#### DIETHYL PHTHALATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10.56mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	15mg/kg/day	Workers	Systemic
DNEL	Inhalation	2.6mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal	7.5mg/kg/day	General Population	Systemic
DNEL	Oral	0.75mg/kg/day	General Population	Systemic
PNEC	Fresh water	12ug/L	-	-
PNEC	Marine water	1.2ug/L	-	-
PNEC	Fresh water sediments	0.137mg/kg	-	-
PNEC	Marine sediments	0.0137mg/kg	-	-
PNEC	Soil	0.137mg/kg	-	-

#### 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	-	-

[cont...]

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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	-	-

**GERANIOL**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	161.6mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	12.5mg/kg	Workers	Systemic
DNEL	Dermal	11800µg/cm <sup>2</sup>	Workers	Local
DNEL	Inhalation	47.8mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal	7.5mg/kg	General Population	Systemic
DNEL	Dermal	11800µg/cm <sup>2</sup>	General Population	Local
DNEL	Oral	13.75mg/kg	General Population	Systemic
PNEC	Fresh water	0.011mg/L	-	-
PNEC	Fresh water sediments	0.115mg/kg	-	-
PNEC	Marine water	0.001 mg/L	-	-
PNEC	Marine sediments	0.011mg/kg	-	-
PNEC	Soil	0.017mg/kg	-	-

**CITRONELLAL**

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	9mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (repeated dose)	1.7mg/kg bw	Workers	Systemic
DNEL	Dermal (repeated dose)	140µg/cm <sup>2</sup>	Workers	Local
DNEL	Inhalation (repeated dose)	2.7mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (repeated dose)	1mg/kg bw	General Population	Systemic
DNEL	Dermal (repeated dose)	140µg/cm <sup>2</sup>	General Population	Local
DNEL	Oral (repeated dose)	0.6mg/kg bw	General Population	Systemic
PNEC	Fresh water	0.009mg/L	-	-
PNEC	Fresh water intermittent release	0.087mg/L	-	-
PNEC	Fresh water sediments	0.159 mg/kg sediment	-	-
PNEC	Marine water	0.001mg/L	-	-
PNEC	Marine sediments	0.016mg/kg sediment	-	-
PNEC	Microorganisms in sewage treatment	4mg/L	-	-
PNEC	Soil	0.027mg/kg soil	-	-

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### OCTANAL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (Long term)	1.3mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal (Long term)	0.37mg/kg bw	Workers	Systemic
DNEL	Inhalation (Long term)	0.32mg/m <sup>3</sup>	General Population	Systemic
DNEL	Dermal (Long term)	0.19mg/kg bw	General Population	Systemic
DNEL	Oral (Long term)	0.19mg/kg bw	General Population	Systemic
PNEC	Fresh water	0.002mg/L	-	-
PNEC	Fresh water sediments	0.071mg/kg sediment	-	-
PNEC	Marine water	0mg/L	-	-
PNEC	Marine sediments	0.007mg/kg sediment	-	-
PNEC	Microorganisms in sewage treatment	3.16mg/L	-	-
PNEC	Soil	0.013mg/kg soil	-	-

### NEROL

Type	Exposure	Value	Population	Effect
DNEL	Oral	5.4 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Dermal	0.76 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	133 µg/cm <sup>2</sup>	Workers	Local
DNEL	Oral	0.38 mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	7.45 µg/L	-	-
PNEC	Marine water	0.745 µg/L	-	-
PNEC	Fresh water sediments	133 µg/kg sediment d	-	-
PNEC	Marine sediments	13.3 µg/kg sediment	-	-
PNEC	Soil	22.3 µg/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.

### Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

[cont...]

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**Odour:** Pleasant  
**Solubility in water:** Not miscible  
**Viscosity:** Non-viscous  
**Flash point°C:** >93

**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**

**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:**

**DIETHYL PHTHALATE**

DERMAL	RAT	LD50	>10	mL/kg
ORAL	RAT	LD50	8600	mg/kg
VAPOURS	RAT	6H LC50	>511	ppm

**CITRAL**

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

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**GERANIOL**

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	3600	mg/kg

**CITRONELLAL**

DERMAL	RBT	LD50	>2500<5000	mg/kg
IP	MUS	LD50	>200 <700	mg/kg
ORAL	RAT	LD50	>2500	mg/kg

**OCTANAL**

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	4617	mg/kg

**NEROL**

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	4500	mg/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

**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 irritation of the throat.

**Inhalation:** No symptoms.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**DIETHYL PHTHALATE**

ALGAE (Desmodesmus subspicatus)	72H ErC50 (Biomass)	23	mg/l
ALGAE (Desmodesmus subspicatus)	72H ErC50 (Growth ra	45	mg/l
DAPHNIA (Daphnia magna)	48H EC50	90	mg/l

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RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> )	96H LC50	12	mg/l
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**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

**GERANIOL**

Daphnia magna	48H EC50	10.8	mg/l
Desmodesmus subspicatus	72H ErC50	13.1	mg/l
ZEBRAFISH ( <i>Brachydanio rerio</i> )	96H LC0	10	mg/l
ZEBRAFISH ( <i>Brachydanio rerio</i> )	96H LC100	46.4	mg/l
ZEBRAFISH ( <i>Brachydanio rerio</i> )	96H LC50	22	mg/l

**OCTANAL**

ALGAE ( <i>Pseudokirchneriella subcapitata</i> )	72H ErC50	0.92	mg/l
Daphnia magna	48H EC50	1.54	mg/l

**NEROL**

Daphnia magna	48H EC50	32.4	mg/l
ZEBRAFISH ( <i>Brachydanio rerio</i> )	96H LC50	20	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** Miscible with 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:** Negligible ecotoxicity.

**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.

[cont...]

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**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:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**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:** H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H411: Toxic 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.