

**SAFETY DATA SHEET**

In accordance with REACH Regulation EC No.1907/2006

**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**Section 1. Identification of the substance or the mixture and of the supplier****1.1 Product Identifier****Product identifier:** Marine Fragrance Oil FRAG0880(Contains:4-tert-Butylcyclohexyl acetate, 7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one, Linalool, alpha-Hexylcinnamaldehyde)**Other identifiers:** None**Unique Formula Identifier (UFI):** RJE2-R02U-D00G-51FA**1.2 Relevant identified uses of the substance or mixture and uses advised against****Product uses:** Fragrances**1.3 Details of the supplier of the safety data sheet****Company name:** Candle Shack Limited**Company address:** Unit A  
West Carron Works  
Stenhouse Rd  
Carron  
Stirlingshire  
FK2 8DR**Contact:** Regulatory Affairs**E-Mail address:** regulatory@candle-shack.co.uk**Company phone:** 01324 227354**1.4 Emergency telephone number****Emergency phone:** 01324 227354**Section 2. Hazards identification****2.1 Classification of the substance or mixture****Classification under Regulation (EC) No 1272/2008****Class and category of danger:** Skin Corrosion / Irritation Category 2  
Eye Damage / Irritation Category 1  
Sensitization - Skin Category 1  
Hazardous to the Aquatic Environment - Long-term Hazard Category 2  
H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

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**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**2.2 Label elements****Classification under Regulation (EC) No 1272/2008****Signal word:** Danger

**Hazard statements:** H315, Causes skin irritation.  
H317, May cause an allergic skin reaction.  
H318, Causes serious eye damage.  
H411, Toxic to aquatic life with long lasting effects.

**Supplemental Information:** EUH208, Contains 1-(2,2,6-Trimethylcyclohexyl)-3-hexanol, 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, 2,6-Dimethyl-5-heptenal, Cedrol methyl ether, Citronellyl formate, Geraniol, Geranyl formate, Hydroxycitronellal, Isohexenyl cyclohexenyl carboxaldehyde, Linalyl acetate, beta-Pinene, cis-4-(Isopropyl)cyclohexanemethanol, d-Limonene, dl-Citronellol, l-Menthone. May produce an allergic reaction.

**Precautionary statements:** P261, Avoid breathing vapour or dust.  
P264, Wash hands and other contacted skin thoroughly after handling.  
P272, Contaminated work clothing should not be allowed out of the workplace.  
P273, Avoid release to the environment.  
P280, Wear protective gloves/eye protection/face protection.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310, Immediately call a POISON CENTER or doctor/physician.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P362, Take off contaminated clothing and wash before reuse.  
P391, Collect spillage.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:****2.3 Other hazards****Other hazards:** None

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**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**Section 3. Composition / information on ingredients****3.2 Mixtures****Contains:**

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
alpha-Hexylcinnamaldehyde	101-86-0	202-983-3		10-<20%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H317-H400-H411,-
Linalool	78-70-6	201-134-4		10-<20%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-
4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9		5-<10%	Skin Sens. 1B;H317,-
7-Methyl-2H-benzo-1,5-dioxepin-3(4H)-one	28940-11-6	249-320-4		1-<5%	Skin Corr. 1B-Eye Dam. 1-STOT SE 3; H314-H336,-
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	63500-71-0	405-040-6		1-<5%	Eye Irrit. 2;H319,-
dl-Citronellol	106-22-9	203-375-0		1-<5%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,-
Hydroxycitronellol	107-74-4	203-517-1		1-<5%	Eye Irrit. 2;H319,-
Cedrol methyl ether	19870-74-7	243-384-7		1-<5%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 1;H317-H410,-
beta-Ionone	14901-07-6	238-969-9		1-<5%	Aquatic Chronic 2; H411,-
gamma-Undecalactone	104-67-6	203-225-4		1-<5%	Aquatic Chronic 3; H412,-
Linalyl acetate	115-95-7	204-116-4		1-<5%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-
Hydroxycitronellal	107-75-5	203-518-7		1-<5%	Eye Irrit. 2-Skin Sens. 1B;H317-H319,-
d-Limonene	5989-27-5	227-813-5		1-<5%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-
1-(2,2,6-Trimethylcyclohexyl)-3-hexanol	70788-30-6	942-425-2		1-<5%	Skin Sens. 1B;H317,-
cis-4-(Isopropyl)cyclohexanemethanol	13828-37-0	939-719-8		0.1-<1%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	68039-49-6	939-604-2		0.1-<1%	Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B-Aquatic Chronic 2;H315-H317-H319-H411,-
2,6-Dimethyl-5-heptenal	106-72-9	203-427-2		0.1-<1%	Flam. Liq. 3-Skin Sens. 1B;H226-H317,-
Citronellyl formate	105-85-1	203-338-9		0.1-<1%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-
Geraniol	106-24-1	203-377-1		0.1-<1%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1B;H315-H317-H318,-
beta-Pinene	127-91-3	204-872-5		0.1-<1%	Flam. Liq. 3-Skin Irrit. 2-Skin Sens. 1B-Asp. Tox 1-Aquatic Acute 1-Aquatic Chronic 1; H226-H304-H315-H317-H410,-

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p-Mentha-1,4-diene	99-85-4	202-794-6		0.1-<1%	Flam. Liq. 3-Repr. 2- Asp. Tox 1;H226-H304- H361,-
l-Menthone	14073-97-3	237-926-1		0.1-<1%	Skin Irrit. 2-Skin Sens. 1B;H315-H317,-
Geranyl formate	105-86-2	203-339-4		0.1-<1%	Skin Sens. 1B-Aquatic Acute 1-Aquatic Chronic 2;H317-H400- H411,-
Isohexenyl cyclohexenyl carboxaldehyde	37677-14-8	253-617-4		0.1-<1%	Skin Irrit. 2-Eye Dam. 1-Skin Sens. 1B- Aquatic Acute 1- Aquatic Chronic 1; H315-H317-H318- H410,-

**Substances with Community workplace exposure limits:**

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
Diethyl phthalate	84-66-2	201-550-6		20-<50%	;-,-

**Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:**

Not Applicable

**Section 4. First-aid measures****4.1 Description of first aid measures**

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

**Ingestion:** Rinse mouth with water and obtain medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

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

None expected, see Section 4.1 for further information.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### 5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

## Section 6. Accidental release measures

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

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

### 6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

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

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

### 6.4 Reference to other sections:

Also refer to sections 8 and 13.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### 7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

Workplace exposure limits:

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Ingredient	CAS	EC	Description	Value
Diethyl phthalate	84-66-2	201-550-6	UK WEL Long term mgm3	5 mg/m <sup>3</sup>
			UK WEL Short term mgm3	10 mg/m <sup>3</sup>

**8.2 Exposure Controls****Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

**Respiratory Protection**

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

**Section 9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Appearance:</b>	Not determined
<b>Odour:</b>	Not determined
<b>Odour threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point / freezing point:</b>	Not determined
<b>Initial boiling point / range:</b>	Not determined
<b>Flash point:</b>	> 70 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Product does not present an explosion hazard
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	Not determined
<b>Solubility(ies):</b>	Not determined
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined

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**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**Viscosity:** Not determined**Explosive properties:** Not expected**Oxidising properties:** Not expected**9.2 Other information:** None available**Section 10. Stability and reactivity****10.1 Reactivity:**

Presents no significant reactivity hazard, by itself or in contact with water.

**10.2 Chemical stability:**

Good stability under normal storage conditions.

**10.3 Possibility of hazardous reactions:**

Not expected under normal conditions of use.

**10.4 Conditions to avoid:**

Avoid extreme heat.

**10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis or oxidising agents.

**10.6 Hazardous decomposition products:**

Not expected.

**Section 11. Toxicological information****11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

**Acute Toxicity:** Based on available data the classification criteria are not met.

Acute Toxicity Oral &gt;5000

Acute Toxicity Dermal &gt;5000

Acute Toxicity Inhalation Not Available

**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 2**Serious eye damage/irritation:** Eye Damage / Irritation Category 1**Respiratory or skin sensitisation:** Sensitization - Skin Category 1**Germ cell mutagenicity:** Based on available data the classification criteria are not met.**Carcinogenicity:** Based on available data the classification criteria are not met.**Reproductive toxicity:** Based on available data the classification criteria are not met.**STOT-single exposure:** Based on available data the classification criteria are not met.**STOT-repeated exposure:** Based on available data the classification criteria are not met.**Aspiration hazard:** Based on available data the classification criteria are not met.

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**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**Information about hazardous ingredients in the mixture**

Not Applicable

Refer to Sections 2 and 3 for additional information.

**Section 12. Ecological information****12.1 Toxicity:**

Toxic to aquatic life with long lasting effects.

**12.2 Persistence and degradability:** Not available**12.3 Bioaccumulative potential:** Not available**12.4 Mobility in soil:** Not available**12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:** Not available**Section 13. Disposal considerations****13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Section 14. Transport information****14.1 UN number:** UN3082**14.2 UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Cedrol methyl ether, alpha-Hexylcinnamaldehyde)**14.3 Transport hazard class(es):** 9**Sub Risk:** -**14.4. Packing Group:** III**14.5 Environmental hazards:** This is an environmentally hazardous substance.**14.6 Special precautions for user:** None additional**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

**Section 15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

None additional

**15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out for this product.

**Section 16. Other information**



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**Product:** Marine Fragrance Oil FRAG0880**Version:** 3**Concentration % Limits:** EH C2=46.82% EH C3=4.67% EH C4=99.25% SCI 2=15.89% EDI 1=63.16% EDI 2=14.22% SS 1=5.26%**Total Fractional Values:** EH C2=2.14 EH C3=21.42 EH C4=1.01 SCI 2=6.30 EDI 1=1.58 EDI 2=7.03 SS 1=19.00**Key to revisions:**

14.2. UN proper shipping name

Classification under Regulation (EC) No 1272/2008

Classification under Regulation (EC) No 1272/2008

Concentration % Limits

Information about hazardous ingredients in the mixture

Product identifier

SECTION 3: Composition/information on ingredients

Total Fractional Values

Workplace exposure limits

**Key to abbreviations:**

Abbreviation	Meaning
Aquatic Acute 1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
Aquatic Chronic 2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
Aquatic Chronic 3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
Asp. Tox 1	Aspiration Hazard Category 1
Eye Dam. 1	Eye Damage / Irritation Category 1
Eye Irrit. 2	Eye Damage / Irritation Category 2
Flam. Liq. 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child (exposure route).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.

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P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapour or dust.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308/313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P331	Do not induce vomiting.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
Repr. 2	Toxic to Reproduction Category 2
STOT SE 3	Specific Target Organ Toxicity (Single Exposure) Category 3
Skin Corr. 1B	Skin Corrosion / Irritation Category 1B
Skin Irrit. 2	Skin Corrosion / Irritation Category 2
Skin Sens. 1B	Sensitization - Skin Category 1B

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.