

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

**Product:** Solaris Blanc Fragrance Oil FRAG4440

**Version:** 2

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** Solaris Blanc Fragrance Oil FRAG4440(Contains:1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, Coumarin, Linalool)

**Other identifiers:** None

**Unique Formula Identifier (UFI):** 3UTC-D02A-H00D-QMWJ

#### 1.2 Relevant identified uses of the substance of mixture and uses advised against

**Product uses:** Fragrances

#### 1.3 Details of the supplier of the safety data sheet

**Company name:** Candle Shack B.V.

**Company address:** Edisonweg 23  
6101XJ  
Echt

**Contact:** Regulatory Affairs

**E-Mail address:** regulatory@candle-shack.com

**Company phone:** +31 85 888 1003

#### 1.4 Emergency telephone number

**Emergency phone:** +31 85 888 1003

### 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  
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.  
H411, Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### **Classification under Regulation (EC) No 1272/2008**

**Signal word:** Warning

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

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**Product:** Solaris Blanc Fragrance Oil FRAG4440**Version:** 2**Supplemental Information:** EUH208, Contains 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one, 2-Methyl-3-(p-isopropylphenyl)propionaldehyde, Methyl atrarate, Piperonal. May produce an allergic reaction.**Precautionary statements:**  
P264, Wash hands and other contacted skin thoroughly after handling.  
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.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P391, Collect spillage.  
P261, Avoid breathing vapour or dust.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.  
P272, Contaminated work clothing should not be allowed out of the workplace.  
P362, Take off contaminated clothing and wash before reuse.  
P102, Keep out of reach of children.**Pictograms:****Unique Formula Identifier (UFI):** 3UTC-D02A-H00D-QMWJ**2.3 Other hazards****Other hazards:**  
Sensitisers declared on a CLP Hazard Label: 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one, 2-Methyl-3-(p-isopropylphenyl)propionaldehyde, Methyl atrarate, Piperonal  
Hydrocarbon Concentration %: 0.0000%**Section 3. Composition / information on ingredients****3.2 Mixtures****Contains:**

| Name                                                        | CAS        | EC        | REACH Registration No. | %      | Classification for (CLP) 1272/2008                        | Specific Conc. Limits, M-factors and ATEs |
|-------------------------------------------------------------|------------|-----------|------------------------|--------|-----------------------------------------------------------|-------------------------------------------|
| 2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol | 28219-61-6 | 248-908-8 |                        | 5-<10% | Skin Irrit. 2-Aquatic Chronic 2;H315-H411,-               |                                           |
| Linalool                                                    | 78-70-6    | 201-134-4 |                        | 1-<5%  | Skin Irrit. 2-Eye Irrit. 2-Skin Sens. 1B;H315-H317-H319,- | oral: ATE = 2790 mg/kg bw                 |
| Coumarin                                                    | 91-64-5    | 202-086-7 |                        | 1-<5%  | Acute Tox. 4-Skin Sens. 1B;H302-H317,-                    | oral: ATE = 500 mg/kg bw                  |

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|                                                                           |            |           |  |         |                                                                                   |                                              |
|---------------------------------------------------------------------------|------------|-----------|--|---------|-----------------------------------------------------------------------------------|----------------------------------------------|
| 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone  | 54464-57-2 | 915-730-3 |  | 1-<5%   | Skin Irrit. 2-Skin Sens. 1B-Aquatic Chronic 1; H315-H317-H410,-                   | M = 1                                        |
| cis-3-Hexenyl salicylate                                                  | 65405-77-8 | 265-745-8 |  | 1-<5%   | Repr. 2-Aquatic Acute 1-Aquatic Chronic 2; H361-H400-H411,-                       | M = 1-oral: ATE = 2500 mg/kg bw              |
| p-Methoxybenzaldehyde                                                     | 123-11-5   | 204-602-6 |  | 0.1-<1% | Repr. 2-Aquatic Chronic 3;H361-H412,-                                             | oral: ATE = 3210 mg/kg bw                    |
| 2-Methyl-3-(p-isopropylphenyl) propionaldehyde                            | 103-95-7   | 203-161-7 |  | 0.1-<1% | Skin Irrit. 2-Skin Sens. 1B-Repr. 2-Aquatic Chronic 3;H315-H317-H361-H412,-       | oral: ATE = 3810 mg/kg bw                    |
| 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran | 1222-05-5  | 214-946-9 |  | 0.1-<1% | Aquatic Acute 1-Aquatic Chronic 1; H410,-                                         | M = 1                                        |
| Piperonal                                                                 | 120-57-0   | 204-409-7 |  | 0.1-<1% | Skin Sens. 1B-Repr. 2; H317-H361,-                                                | oral: ATE = 2700 mg/kg bw                    |
| Methyl atrarate                                                           | 4707-47-5  | 225-193-0 |  | 0.1-<1% | Skin Sens. 1B;H317,-                                                              |                                              |
| Allyl (cyclohexyloxy) acetate                                             | 68901-15-5 | 272-657-3 |  | 0.1-<1% | Acute Tox. 4-Aquatic Acute 1-Aquatic Chronic 1;H302-H410,-                        | M = 1-oral: ATE = 682 mg/kg bw               |
| 1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one                     | 23696-85-7 | 245-833-2 |  | <0.1%   | Acute Tox. 4-Skin Irrit. 2-Skin Sens. 1A-Aquatic Chronic 2; H315-H317-H332-H411,- | inhalation: ATE = 2.93 mg/l (dusts or mists) |

**Substances with Community workplace exposure limits:**

Not Applicable

**Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:**

Not Applicable

**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:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**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.

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

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None expected, see Section 4.1 for further information.

### Section 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

#### 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.

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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

Workplace exposure limits: Not Applicable

#### 8.2 Exposure Controls

##### Eye / Skin Protection

Wear protective gloves/eye protection/face protection

##### Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) 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>Physical State/Colour:</b>                                    | Not determined |
| <b>Odour:</b>                                                    | Not determined |
| <b>Odour threshold:</b>                                          | Not determined |
| <b>Melting point / freezing point:</b>                           | Not determined |
| <b>Boiling point or initial boiling point and boiling range:</b> | Not determined |
| <b>Flammability:</b>                                             | Not determined |
| <b>Lower and upper explosion limit:</b>                          | Not determined |
| <b>Flash point:</b>                                              | 124 °C         |
| <b>Auto-ignition temperature:</b>                                | Not determined |
| <b>Decomposition temperature:</b>                                | Not relevant   |
| <b>pH:</b>                                                       | Not determined |
| <b>Kinematic viscosity:</b>                                      | Not determined |
| <b>Solubility:</b>                                               | Not determined |
| <b>Partition coefficient: n-octanol/water (log value):</b>       | Not determined |
| <b>Vapour pressure:</b>                                          | Not determined |
| <b>Density and/or relative density:</b>                          | Not determined |
| <b>Relative vapour density:</b>                                  | Not determined |
| <b>Particle characteristics:</b>                                 | Not determined |

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**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 hazard classes as defined in Regulation (EC) No 1272/2008**

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 >5000

Acute Toxicity Dermal Not Applicable

Acute Toxicity Inhalation Not Available

**Skin corrosion/irritation:** Skin Corrosion / Irritation Category 2

**Serious eye damage/irritation:** Based on available data the classification criteria are not met.

**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.

#### **Information about hazardous ingredients in the mixture**

| Ingredient | CAS     | EC        | LD50/ATE<br>Oral (mg/kg) | LD50/ATE<br>Dermal (mg/kg) | LC50/ATE<br>Inhalation | LC50<br>Route |
|------------|---------|-----------|--------------------------|----------------------------|------------------------|---------------|
| Coumarin   | 91-64-5 | 202-086-7 | 500                      | Not available              | Not available          | Not available |

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Refer to Sections 2 and 3 for additional information.

### 11.2 Information on other hazards

Not Applicable

## 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 Endocrine disrupting properties:** Not Applicable

**12.7 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 or ID number: | 14.2 UN Proper Shipping Name:                                                                                                                                                                                              | 14.3 Transport hazard class (es): | Sub Risk: | 14.4 Packing Group: |
|----------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------|---------------------|
| UN Model Regulations | UN3082                       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran)                  | 9                                 | -         | III                 |
| IMDG                 | UN3082                       | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran) MARINE POLLUTANT | 9                                 | -         | III                 |

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|                    |        |                                                                                                                                                                                                           |   |   |     |
|--------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-----|
| <b>ADR,RID,ADN</b> | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran) | 9 | - | III |
| <b>ICAO TI</b>     | UN3082 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone, 1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta-gamma-2-benzopyran) | 9 | - | III |

**14.5 Environmental hazards:** This is classified as an environmentally hazardous substance under the UN Model Regulations. This is classified as a Marine Pollutant under the IMDG Code.

**14.6 Special precautions for user:** None additional

**14.7 Maritime transport in bulk according to IMO instruments:**

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**

**Concentration % Limits:** SCI 2=88.97% SS 1=26.74% EH C2=60.68% EH C3=6.07%

**Total Fractional Values:** SCI 2=1.12 SS 1=3.74 EH C2=1.65 EH C3=16.48

**Key to revisions:**

14.2. UN proper shipping name

Classification under Regulation (EC) No 1272/2008

Concentration % Limits

SECTION 3: Composition/information on ingredients

Total Fractional Values

**Key to abbreviations:**

| Abbreviation    | Meaning                                                        |
|-----------------|----------------------------------------------------------------|
| Acute Tox. 4    | Acute Toxicity - Oral Category 4                               |
| Acute Tox. 4    | Acute Toxicity - Inhalation Category 4                         |
| Aquatic Acute 1 | Hazardous to the Aquatic Environment - Acute Hazard Category 1 |

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|                   |                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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                                                               |
| Eye Irrit. 2      | Eye Damage / Irritation Category 2                                                                                               |
| H302              | Harmful if swallowed.                                                                                                            |
| H315              | Causes skin irritation.                                                                                                          |
| H317              | May cause an allergic skin reaction.                                                                                             |
| H319              | Causes serious eye irritation.                                                                                                   |
| H332              | Harmful if inhaled.                                                                                                              |
| 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.                                                                               |
| P102              | Keep out of reach of children.                                                                                                   |
| P202              | Do not handle until all safety precautions have been read and understood.                                                        |
| P261              | Avoid breathing vapour or dust.                                                                                                  |
| P264              | Wash hands and other contacted skin thoroughly after handling.                                                                   |
| P270              | Do not eat, drink or smoke when using this product.                                                                              |
| 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.                                                                           |
| P281              | Use personal protective equipment as required.                                                                                   |
| P301/312          | IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.                                                       |
| P302/352          | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| 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.                                                                           |
| P312              | Call a POISON CENTRE or doctor/physician if you feel unwell.                                                                     |
| P330              | Rinse mouth.                                                                                                                     |
| P332/313          | If skin irritation occurs: Get medical advice/attention.                                                                         |
| 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.                                                                                         |
| P391              | Collect spillage.                                                                                                                |
| 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                                                                                                 |
| Skin Irrit. 2     | Skin Corrosion / Irritation Category 2                                                                                           |

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|               |                                  |
|---------------|----------------------------------|
| Skin Sens. 1A | Sensitization - Skin Category 1A |
| 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.