

## MATERIAL SAFETY DATA SHEET

### FRANKINCENSE ESSENTIAL OIL

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

##### 1.1. Product identifier

Product name: FRANKINCENSE OIL  
CAS number: 89957-98-2

EINECS number: 289-620-2  
Index number: 2816  
Product code: ENC501207  
INCI name: Boswellia carterii

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

Use of substance / mixture: E.U Commodity Code: 3301 29 41 FDA: 172.510 Country of Origin: France (ex Sudanese Crude Gum). INCI Name: Boswellia carterii.

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

Company name:  
**G. Baldwin & Co. Ltd**  
171-173 Walworth Road  
London  
SE17 1RW  
United Kingdom

Tel: 0207 703 5550  
Fax: 0207 252 6264  
Email: [sales@baldwins.co.uk](mailto:sales@baldwins.co.uk)

#### 1.4. Emergency telephone number

Emergency tel: 0207 703 5550  
(office hours only)

#### Section 2: Hazards identification

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

Classification under CHIP: Xi: R36/38; Sens.: R43; N: R51/53

Most important adverse effects: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification under CLP: This product has no classification under CLP.

##### 2.2. Label elements

Label elements under CHIP:

Hazard symbols: Irritant.  
Dangerous for the environment.

[cont...]

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Risk phrases:

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

#### 2.3. Other hazards

Other hazards: Risk of explosion if heated under confinement.

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

#### 3.2. Mixtures

Hazardous ingredients:

##### OCTYL ACETATE

EINECS CAS CHIP Classification CLP Classification Percent

203-939-6 112-14-1 Xi: R36/38 30-50%

##### PINENES (ALPHA OR BETA) -

Sens.: R43; N: R50/53 1-10%

##### 1-OCTEN-3-OL

222-226-0 3391-86-4 Xi: R36/38; N: R50; Xn: R20/22 1-10%

##### DIPENTENE

205-341-0 138-86-3 -: R10; Xi: R38; Sens.: R43; N: R50/53

Flam. Liq. 3: H226; Skin Irrit. 2: H315;

Skin Sens. 1: H317; Aquatic Acute 1:

H400; Aquatic Chronic 1: H410 1-10%

##### LINALOOL

201-134-4 78-70-6 Xi: R38 1-10%

##### MYRCENE

-: R52/53 1-10%

GERANIOL

203-377-1 106-24-1 Xi; R38; Sens.: R43 1-10%

Contains: Essential oil of *Boswellia carterii*, Burseraceae. (distilled)

Section 4: First aid measures

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**4.1. Description of first aid measures**

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

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

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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

**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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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.

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6.4. Reference to other sections

Section 7: Handling and storage

**7.1. Precautions for safe handling**

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.  
Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid, maybe solid at low temp

Colour: Pale straw

Odour: Characteristic odour

Evaporation rate: Negligible

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: Non-viscous

Flash point°C: 35 Part.coeff. n-octanol/water: 1.4600 to 1.4850

Vapour pressure: 0.0 to -25.0 Relative density: 0.852 to 0.872

pH: 9.0

9.2. Other information

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**Section 10: Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

Chemical stability: Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**10.4. Conditions to avoid**

Conditions to avoid: Heat.

**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**

**Relevant effects for mixture:**

Effect Route Basis

Irritation OPT DRM Hazardous: calculated

Sensitisation DRM Hazardous: calculated

**Symptoms / routes of exposure**

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

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

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Section 12: Ecological information**

**12.1. Toxicity**

Ecotoxicity values: Not applicable.

**12.2. Persistence and degradability**

Persistence and degradability: Not biodegradable.

**12.3. Bioaccumulative potential**

Bioaccumulative potential: Bioaccumulation potential.

**12.4. Mobility in soil**

Mobility: Readily absorbed into soil.

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**12.5. Results of PBT and vPvB assessment**

PBT identification: This substance is not identified as a PBT substance.

**12.6. Other adverse effects**

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

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

**Section 14: Transport information**

**14.1. UN number**

UN number: UN1169

**14.2. UN proper shipping name**

Shipping name: Extracts, Aromatic, Liquid

**14.3. Transport hazard class(es)**

Transport class: 3

**14.4. Packing group**

**14.5. Environmental hazards**

Environmentally hazardous: Yes

Marine pollutant: Yes

**14.6. Special precautions for user**

Section 15: Regulatory information

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

**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:

Recommended for professional use only as an ingredient in perfumes and food flavours.

Listed skin sensitisers maximum % composition

Limonene: 17.9%, Linalool: <0.1%

FEMA No. 2816

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Phrases used in s.2 and 3: H226: Flammable liquid and vapour.

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.

R10: Flammable.

R20/22: Harmful by inhalation and if swallowed.

R36/38: Irritating to eyes and skin.

R38: Irritating to skin.

R43: May cause sensitisation by skin contact.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50: Very toxic to aquatic organisms.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

