Safety Data Sheet

Frankincense Essential Oil

BIOFORM
NATURE'S FINEST MATERIALS

PRODUCT **Frankincense Essential Oil** · BOTANICAL NAME **Boswellia sacra Flück.** · DATE **29.09.2026**

PRODUCER

Bioform Ltd

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DOCUMENT CONTROL

Safety Data Sheet

Version: 1.1
Issued: 29.09.2026
Applies to: Frankincense Essential Oil
Scope: Regulation (EC) No 1907/2006, Annex II, as amended by (EU) 2020/878
Status: Approved

Indicative values. The values in this document are typical of the product, not the results of a particular batch. For batch-specific documentation and values (certificate of analysis, GC-MS report), contact us at sales@bioform.bg or +359 889 45 05 50.

1 · IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product name	Frankincense Essential Oil
Botanical source	Boswellia sacra Flück.
Plant part	Oleo-gum resin
CAS number	8016-36-2
EC number	946-037-4 (232-474-1)
REACH registration no.	01-2120768974-34-0000
1.2 Relevant uses	Raw material for fragrance, flavour, cosmetic and aromatherapy formulation. Industrial and professional use. Uses advised against: none identified other than those not listed.
1.3 Supplier	Bioform Ltd Str. Oreshaka 5, Village Tazha, 6160 Pavel Banya, Stara Zagora, Bulgaria +359 889 45 05 50 · sales@bioform.bg
1.4 Emergency telephone	+359 2 9154 233 National Toxicology Center Bulgaria, Hospital for Active Medical Treatment and Emergency Medicine "N. I. Pirogov" · poison_centre@mail.orbitel.bg · www.pirogov.bg · 24/7

2 · HAZARDS IDENTIFICATION

2.1 Classification (CLP)	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Skin Sens. 1B H317 Asp. Tox. 1 H304 Aquatic Chronic 2 H411 [1]
2.2 Pictograms	 GHS02 · Flame  GHS07 · Exclamation mark  GHS08 · Health hazard  GHS09 · Environment
Signal word	Danger
Hazard statements	**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. **H411** Toxic to aquatic life with long lasting effects.

Precautionary statements	**P210** Keep away from heat, sparks, open flames and hot surfaces. No smoking. **P280** Wear protective gloves, protective clothing, eye protection and face protection. **P331** Do NOT induce vomiting. **P301+P310** IF SWALLOWED: Immediately call a POISON CENTER or doctor. **P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. **P501** Dispose of contents and container in accordance with local regulations.
2.3 Other hazards	Not considered PBT or vPvB. Contains natural constituents that may cause allergic reactions in sensitised people.

3 · COMPOSITION / INFORMATION ON INGREDIENTS

Substance type	Natural complex substance (UVCB) obtained from the plant material named in section 1.
Identity	Frankincense Essential Oil — Boswellia sacra Flück., CAS 8016-36-2

Typical content for this compound [1].

CONSTITUENT	CAS	EC	CONTENT %	CLASSIFICATION (CLP)
α-Pinene	80-56-8	201-291-9	25.0–45.0	Flam. Liq. 3 H226; Acute Tox. 4 H302; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1B H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 (M = 1 / 1)
α-Thujene	2867-05-2	220-686-7	5.0–25.0	Flam. Liq. 3 H226; Skin Sens. 1 H317
Limonene	138-86-3	205-341-0	5.0–20.0	Flam. Liq. 3 H226; Skin Irrit. 2 H315; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410
Myrcene	123-35-3	204-622-5	0–10.0	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Eye Irrit. 2 H319; Skin Sens. 1 H317; Aquatic Acute 1 H400; Aquatic Chronic 2 H411
Sabinene	3387-41-5	222-212-4	0–10.0	Acute Tox. 4 H302
p-Cymene	99-87-6	202-796-7	3.0–7.0	Flam. Liq. 3 H226; Acute Tox. 3 H331; Asp. Tox. 1 H304; Aquatic Chronic 2 H411 (ATE inh. = 3 mg/l)
α-Phellandrene	99-83-2	202-792-5	< 4.0	Flam. Liq. 3 H226; Asp. Tox. 1 H304
δ-3-Carene	13466-78-9	236-719-3	< 3.0	Flam. Liq. 3 H226; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1 H317; Aquatic Chronic 3 H412
β-Caryophyllene	87-44-5	201-746-1	< 3.0	Asp. Tox. 1 H304; Skin Sens. 1B H317
β-Pinene	127-91-3	204-872-5	< 3.0	Flam. Liq. 3 H226; Acute Tox. 4 H302; Asp. Tox. 1 H304; Skin Irrit. 2 H315; Skin Sens. 1B H317; Aquatic Acute 1 H400; Aquatic Chronic 1 H410

4 · FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult or symptoms persist, get medical advice.
Skin contact	Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation or rash occurs, get medical advice.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Get medical advice immediately and show this sheet or the label.
Symptoms and effects	Skin and eye irritation; allergic skin reaction in sensitised people. Aspiration into the lungs after swallowing can cause chemical pneumonitis.
Medical attention	Treat symptomatically.

5 · FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide, dry chemical powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	Direct water jet.
Special hazards	Combustion produces carbon monoxide, carbon dioxide and smoke. Vapours may form flammable mixtures with air above the flash point.

Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Cool closed containers exposed to fire with water spray.

6 · ACCIDENTAL RELEASE MEASURES

Personal precautions	Remove ignition sources. Ensure adequate ventilation. Avoid contact with skin and eyes; wear the protective equipment in section 8.
Environmental precautions	Prevent entry into drains, surface water and soil.
Clean-up	Absorb with inert material (sand, earth, vermiculite). Collect in closed, labelled containers for disposal according to section 13.

7 · HANDLING AND STORAGE

Safe handling	Handle in a well-ventilated area. Avoid contact with skin and eyes. Keep away from heat, sparks and open flames. Do not eat, drink or smoke when using this product. Wash hands after handling.
Storage	Store in tightly closed, full containers of aluminium, stainless steel or amber glass, in a cool, dry, dark place away from heat and ignition sources. Nitrogen blanketing of part-filled containers is recommended.
Specific end uses	See section 1.2.

8 · EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits	No occupational exposure limits established for this product.
Engineering controls	Local exhaust or general ventilation.
Eye protection	Safety glasses with side shields (EN 166).
Hand protection	Nitrile rubber gloves (EN ISO 374).
Respiratory protection	Not normally required with adequate ventilation. In case of insufficient ventilation, use a respirator with an organic vapour filter (type A).
Skin and body protection	Protective work clothing.

9 · PHYSICAL AND CHEMICAL PROPERTIES

Typical values for this compound [1].

Physical state / appearance	Mobile liquid, pale yellow to yellow
Odour	Warm, spicy, clean
Flash point	43.5 °C (EU A9, ISO 2719-B, closed cup)
Relative density (20 °C)	0.8676 ± 0.0010 (OECD 109 / EU A3)
Refractive index (20 °C)	1.440–1.482
Optical rotation (20 °C)	−25.0° to +10.0°
Boiling point / range	182.3 ± 0.7 °C at 101.325 kPa (OECD 103 / EU A2)
Solubility	Practically insoluble in water (0.0005–1.41 mg/l, QSAR); soluble in ethanol
pH	Not applicable

10 · STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known under normal conditions of use.
Chemical stability	Stable under the recommended storage conditions.
Conditions to avoid	Heat, direct sunlight, sparks, open flames, prolonged contact with air.
Incompatible materials	Strong oxidising agents, strong acids and bases.
Hazardous decomposition products	Carbon monoxide and carbon dioxide on combustion.

11 · TOXICOLOGICAL INFORMATION

No toxicological test data on the product itself are given here. The classification in section 2 is the classification of this substance as documented in the cited sources (for REACH-registered substances, the registrant's classification in the registration dossier).

12 · ECOLOGICAL INFORMATION

No ecotoxicological test data on the product itself are given here. The environmental classification, where shown in section 2, is taken from the cited sources. Do not allow undiluted product to reach ground water, water courses or sewage systems.

13 · DISPOSAL CONSIDERATIONS

Dispose of product and contaminated packaging through a licensed waste contractor in accordance with local and national regulations. Do not empty into drains.

14 · TRANSPORT INFORMATION

UN number	UN1197
Proper shipping name	EXTRACTS, LIQUID, for flavour or aroma (OLIBANUM OIL)
Transport hazard class	3
Packing group	III
Environmental hazards	Yes — marine pollutant
Modes	ADR/RID, IMDG, IATA

15 · REGULATORY INFORMATION

Regulation (EC) No 1907/2006 (REACH); Regulation (EC) No 1272/2008 (CLP); Regulation (EC) No 1223/2009 (cosmetic products) where relevant. Users formulating fragrance products should also consult the current IFRA Standards.

FRAGRANCE ALLERGEN (REG. (EC) 1223/2009, ANNEX III)	CAS	CONTENT %
α-Pinene	80-56-8	25.0–45.0
Limonene	138-86-3	5.0–20.0
β-Pinene	127-91-3	< 3.0
β-Caryophyllene	87-44-5	< 3.0

16 · OTHER INFORMATION

This safety data sheet was prepared from the composition of the product as supplied. The information is given in good faith and is correct to the best of our knowledge at the date of issue. It does not constitute a guarantee of specific properties.

Supersedes revision 1.0.

SOURCES

1. Bioform Ltd, Safety Data Sheet — Olibanum oil (Boswellia carterii), version 4.1, revision date 17.04.2024; physical data per the REACH registration dossier (01-2120768974-34-0000)

Биоформ

Signature and stamp

Mariya Staykova

Authorised representative

FOR AND ON BEHALF OF BIOFORM LTD

Place: 6160 Tazha, Bulgaria

Date: 29.09.2026