



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

**1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME: **Frankincense Organic Essential Oil**

SUPPLIER: Amphora Aromatics Limited, Airfield House, Western Drive, Bristol, BS14 0AF

TELEPHONE: +44 (0)117-9087770.

PRODUCT NUMBER: **278**

CAS NUMBER: 97952-72-2

EC NUMBER: 308-366-6

INCI: *Boswellia serrata* Oil

BIOLOGICAL DEFINITION: *Boswellia serrata* oil is the volatile oil obtained from the gum resin of *boswellia serrata roxb. ex colebr. (fam. burseraceae)*.

**2: HAZARDS IDENTIFICATION**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

**CLASSIFICATION (EC 1272/2008):**

- PHYSICAL HAZARDS: Flam. Liq. 3 - H226
- HEALTH HAZARDS: Skin Irrit. 2 - H315.  
Skin Sens. 1 -H317.
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 - H411.

**LABEL ELEMENTS**

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H226 Flammable Liquid and Vapour.  
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/Hot Surfaces. — No Smoking.  
P273 Avoid Release to The Environment.  
P280 Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection.  
P321 Specific Treatment (See ... On This Label).  
P333 + P313 If Skin Irritation or Rash Occurs: Get Medical Advice/Attention.  
P363 Wash Contaminated Clothing Before Reuse.  
P391 Collect Spillage.

CONTAINS:

Sabinene, Alpha-Pinene, Limonene, Delta-3-Carene, Alpha-Phellandrene, Para-Cymene.

SDS: **278 Frankincense Organic Essential Oil**

Compiled by: Johndan Chilcott, Regulatory Affairs - Approved by Woody Evans, Director – Date: 27/01/2020 - Version: 3



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**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**65.0 – 75.0% Alpha-Thujene**

CAS NUMBER: 2867-05-2

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 220-686-7

Flam. Liq. 3 – H226

Acute Tox. 4 – H302

Skin Sens. 1B – H317

Aquatic Chronic 2 - H411

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**5.0 – 10.0% Alpha-Pinene**

CAS NUMBER: 80-56-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 201-291-9

Flam. Liq. 3 - H226

Acute Tox. 4 – H302

Asp. Tox. 1 - H304

Skin Irrit. 2 – H315

Skin Sens.1 - H317

Aquatic Chronic 1 - H410

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**5.0 – 10.0% Sabinene**

CAS NUMBER: 3387-41-5

CLASSIFICATION (EC1272/2008):

EC NUMBER: 222-212-4

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

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**1.0 – 5.0% Alpha-Phellandrene**

CAS NUMBER: 99-83-2

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-792-5

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

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**1.0 - 5.0% Delta-3-Carene**

CAS NUMBER: 13466-78-9

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 236-719-3

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

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**1.0 – 5.0% Para-Cymene**

CAS NUMBER: 99-87-6

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 202-796-7

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 – H315

Eye Irrit. 2 – H319

Stot Se 3 -H335

Aquatic Chronic 2 – H411

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**1.0 – 5.0% Trans-Anethole**

CAS NUMBER: 4180-23-8

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 224-052-0

Skin Sens. 1 - H317

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**<5.0% Limonene**

CAS NUMBER: 5989-27-5

CLASSIFICATION (EC 1272/2008):

EC NUMBER: 227-813-5

Flam. Liq. 3 - H226

Asp. Tox. 1 - H304

Skin Irrit. 2 - H315

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

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The full text for all hazard statements is displayed in Section 16.

**4: FIRST AID MEASURES**

INHALATION:

Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

INGESTION:

Get medical attention immediately. Immediately call the doctor. Rinse mouth with water and obtain medical attention.

SKIN CONTACT:

Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.

EYE CONTACT:

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

GENERAL INFORMATION:

Always remove contaminated clothing immediately.  
Treat symptomatically.

**MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED):**

- CONTACT

May cause an allergic reaction.

**5: FIREFIGHTING MEASURES**

**EXTINGUISHING MEDIA RECOMMENDED:**

- SMALL FIRES:
- ESTABLISHED FIRES:

Chemical powders, CO<sup>2</sup>.

Sprayed water, or water mist, Water with AFFF (Aqueous Forming Foam) additive, halon, foam, multipurpose ABC powder, BC powder, CO<sup>2</sup>.

UNSUITABLE EXTINGUISHING MEDIA:

Water jet.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Burning produces irritating, toxic and obnoxious fumes.

ADVICE FOR FIREFIGHTERS:

Wear positive pressure self-contained breathing apparatus (scuba) and appropriate protective clothing.

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Prevent the effluent of firefighting measures from entering drains or waterways.



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**6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS:

Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing.

ENVIRONMENT PRECAUTIONS:

Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.

CLEANING UP METHODS FOR SPILLAGES:

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. Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

**7: HANDLING AND STORAGE**

USAGE PRECAUTIONS:

Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - no smoking. Use personal protective equipment as required.

OCCUPATIONAL HYGIENE:

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.

STORAGE PRECAUTIONS:

Flammable liquid storage. Store only in the original receptacle. Keep container tightly sealed. Keep in cool, dry, ventilated storage and closed containers. Keep away from heat.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Ensure work area is well ventilated. Provide Safety shower and eye bath.

EYE/FACE PROTECTION:

Wear eye/face protection.

HAND PROTECTION:

Avoid contact with skin. Wash hands before breaks and at end of work. Wear protective gloves. DIN/EN 374. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Penetration time of glove material: the exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

OTHER SKIN AND BODY PROTECTION:

Wear protective clothing to reduce the risk of skin and eye contact.

HYGIENE MEASURES:

Good personal hygiene practises are always advisable, especially when working with chemicals including oils.

RESPIRATORY PROTECTION:

Do not inhale gases / fumes / aerosols. Certified respiratory protective device recommended

ENVIRONMENTAL EXPOSURE CONTROLS:

Avoid discharging into drainage water.

PERSONAL PROTECTION:

Avoid inhalation of the product. Avoid contact with skin and eyes.



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**9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Liquid.
COLOUR:	Pale Yellow.
ODOUR:	Characteristic
FLASH POINT °C:	43°C
SPECIFIC GRAVITY @ 20°C:	0.830 – 0.890
REFRACTIVE INDEX @ 20°C:	1.440 – 1.490
SOLUBILITY IN WATER @ 20°C	No data.

**10: STABILITY AND REACTIVITY**

REACTIVITY:	Not applicable.
CHEMICAL STABILITY:	Stable under suggested storage conditions (<15°C).
POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal processing.
CONDITIONS TO AVOID:	Storage at high temperatures. Do not store above 15°C. Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS:	Avoid concentrated acids, alkalis & oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes, smoke and carbon monoxide.

**11: TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:**

<b>Para-Cymene</b>	CAS:99-87-6
LD50 Oral Route:	4750mg/kg
<b>Alpha-Pinene</b>	CAS:80-56-8
LD50 ORAL ROUTE	3500mg/kg

Skin Irritation:	May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic reaction by skin contact.
Eye Damage or Irritation:	Splashes in the eyes may cause irritation and reversible damage. .
Respiration or Skin Sensitivity:	Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
Germ Cell Mutagenicity:	No data.
Carcinogenicity:	Monograph(s) from the IARC (International Agency for Research on Cancer): CAS 5989-27-5: IARC group 3: the agent is not classifiable as to its carcinogenicity to humans. .
Reproductive Toxicity:	No data.

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STOT – Single Exposure: No data.  
STOT – Repeated Exposure: No data.  
Aspiration Hazard: No data.  
Other Information: No data.

**12: ECOLOGICAL INFORMATION**

TOXICITY: Toxic to aquatic life with long lasting effects.  
The product must not be allowed to run into drains or waterways

PERSISTENCE AND DEGRADABILITY: No data.  
BIOACCUMULATIVE POTENTIAL: No data.  
MOBILITY IN SOIL: No data.  
RESULTS OF PBT AND VPVB ASSESSMENT: No data.  
PRECAUTIONS: No data.

**13: DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS: Always recover spilled product. Discard waste material with authorised waste management services. Act in accordance with local & national waste regulations.

**14: TRANSPORT INFORMATION**

UN No. (ROAD/SEA/AIR): UN1169  
PROPER SHIPPING NAME: Extracts, Aromatic, Liquid.

**TRANSPORT HAZARD CLASS(ES):**

- ADR/RID/ADN CLASS: 3
- IMDG CLASS: 3
- ICAO CLASS: 3



**PACKING GROUP:**

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS: Environmentally hazardous/  
marine pollutant.



SPECIAL PRECAUTIONS FOR USER: No data.  
TRANSPORT IN BULK ACCORDING TO ANNEX II  
OF MARPOL73/78 AND THE IBC CODE: Not applicable.



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**15: REGULATORY INFORMATION**

STATUTORY INSTRUMENTS:

The Chemicals (Hazard Information & Packaging for Supply) Regulations 2009 (S.I.2009 NO 716).

EU LEGISLATION:

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18th December 2006. Concerning the registration, evaluation, authorization & restriction of chemicals (reach), establishing a European Chemicals Agency, amending directive 1999/45/EC and repealing council regulation (EEC) No793/93 & commission regulation (EC) No1488/94 as well as council directive 76/769/EEC & commission directive 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).

GUIDANCE:

Workplace Exposure Limits EH40. Chip for Everyone HSG 108.

**16: OTHER INFORMATION**

HAZARD STATEMENTS IN FULL:

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.  
H319 Causes Serious Eye Irritation.  
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

**Q.C. REQUIREMENTS.**

In-line with general product specification. Always satisfy suitability for specific application.  
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.