



01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING

1.1 Product Identifier

1.1 Product Identifier	Frankincense Oil				
Biological Definition	Boswellia Carterii Oil is the volatile oil obtained from the Boswellia carterii, Burseraceae.				
INCI Name	Boswellia Carterii Oil				
Synonyms Trade Names	-				
CAS Number	89957-98-2 8050-07-5	EC Number	289-620-2232- 474-1	EINECS No.	289-620- 2232-474-1

1.2 Relative identified uses of the substance or mixture and uses advised against

Fragrance and Aromatherapy use.

1.3 Details of the supplier of the safety data sheet

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Classification (EC 1272 / 2008)

Flammable liquid, Category 3 (Flam. Liq. 3, H226). Skin irritation, Category 2 (Skin Irrit. 2, H315). Skin sensitisation, Category 1B (Skin Sens. 1B, H317). Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

GHS07

GHS09

GHS02

None

None



Signal Word

Warning

Contains

Alpha-Pinene, L-Beta-Pinene, ®-P-Mentha-1,8-Diene,

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 If skin irritation or rash occurs:
P313 Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Supplementary Precautionary Statements

None Identified

2.3 Other Hazards

PBT or PvB according to Annex XIII	The mixture does not contain any substances classified as 'Substances of Very
Adverse physio-chemical properties	No additional data available. of REACH: http://echa.europa.eu/tr/candidate-list-table .The mixture satisfies neither the PBT nor

Adverse effects on human health	No additional data available.
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03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

25 - 50 % Alpha-Pinene	CAS No: 80-56-8	EC No: 201-291-9
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Classification (EC 1272/2008): Aquatic Acute 2 - H400, Chronic Aquatic 1 - H410, Skin Sens. 1 - H317, Skin Irrit 2 - H315, Asp. Tox. 1 - H304, Acute Tox. 5 - H503, Flam. Liq. 3 - H226

10 - 25 % L-Beta-Pinene	CAS No: 18172-67-3	EC No: 242-060-2
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Classification (EC 1272/2008): Asp. Tox. 1 - H304, Flam. Liq. 3 - H226, Skin Irrit. 3 - H315, Skin Sens. 1B - H317

10 - 25 % (R)-p-mentha-1,8-diene	CAS No: 5989-27-5	EC No: 227-813-5
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Classification (EC 1272/2008): M Factor (Acute)=1 factor (Chronic)=1, Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

10 - 25 % p-Cymene	CAS No: 99-87-6	EC No: 202-796-7
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Classification (EC 1272/2008): Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Acute Tox. 5 - H303, Aquatic Chronic 2 - H411, Skin Irrit 3 - H316

2.5 - 10 % Beta Caryophyllene	CAS No: 87-44-5	EC No: 201-746-1
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Classification (EC 1272/2008): Asp. Toxic 1 - H304

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Place unconscious person on the side in the recovery position and ensure breathing. Seek medical treatment in case of complaints.
41 Ingestion:	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.
41 Eye:	Remove contact lenses. Immediately flush eyes with plenty of water by lifting eye lids for at least 20-30 minutes. Seek immediate medical advice. Continue to rinse. Seek medical advice if irritation or discomfort persists.
41 Skin:	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8. For non first aid worker Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area. Avoid any contact with the skin and eyes. For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product

contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3 Methods and material for containment and clearing up

Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Send for disposal in a suitable container. Clean preferably with a detergent, do not use solvents. Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture. Precautions for safe handling Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. Remove contaminated clothing and protective equipment before entering eating areas. Fire prevention: Handle in well-ventilated areas. Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air. Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits. Prevent the accumulation of electrostatic charges with connections to earth. The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorised personnel. Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Packages which have been opened must be reclosed carefully and stored in an upright position. Prohibited equipment and procedures: No smoking, eating or drinking in areas where the mixture is used. Never open the packages under pressure.

7.2 Conditions for safe storage, including and incompatibilities

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

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08. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Occupational exposure limits:- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010): CAS TWA STEL Ceiling Definition Criteria 80-56-8 20
ppm - - - -

8.2 Exposure controls

Protective Equipment

Goggles

Gloves

None

None

None



Process Conditions:

Provide eyewash station.

Engineering Measures:

Ensure adequate ventilation.

Respiratory Equipment:	Ensure adequate ventilation.
Hand Protection:	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.Type of gloves recommended:- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))- PVA (Polyvinyl alcohol) Recommended properties:- Impervious gloves in accordance with standard EN374
Eye Protection:	Avoid contact with eyes.Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles in accordance with standard EN166.
Other Protection:	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area.Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working withchemicals / oils.
Personal Protection:	No additional data available.
Skin Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing:In the event of substantial spatter, wear liquid-tight protective clothing against
Environmental Exposure Controls:	chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body thathave been soiled must be washed.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Clear mobile liquid, colourless to yellow.
Colour:	Colourless to yellow.
Flash Point:	36
Odour:	Characteristic.
Relative Density:	0.860 - 0.895 @ 20°C.
Refractive:	1.440 to 1.480 @ 20°C.
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	Between 175 kPa and 300 kPa inclusive.
Solubility:	Insoluble in water.
Auto Ignition:	No additional data available.

9.2 Other Information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional data available.

10.2 Chemical Stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3 Possible hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide

10.4 Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces)

10.5 Incompatible materials

No additional data available.

10.6 Hazardous Decomposition Products

The thermal decomposition may release/form: carbon monoxide (CO) and carbon dioxide (CO₂)

11. TOXOLOGICAL INFORMATION

11.1 Information on toxological effects

Acute Toxicity:

PARA-CYMENE (CAS: 99-87-6)	Oral route : LD50 = 4750
mg/kg	
ALPHA-PINENE (CAS: 80-56-8)	Oral route : LD50 = 3500
mg/kg	

Respiratory or skin sensitisation:

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.

Skin corrosion/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.

Serious Eye damage/irritation:

Splashes in the eyes may cause irritation and reversible damage.

Germ Cell Mutagenicity:

No additional data available.

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 additional data available.

STOT Single exposure:

No additional data available.

STOT Repeated exposure:

No additional data available.

Photo-toxicity:

No additional data available.

Aspiration hazard:

No additional data available.

Other Information:	No additional data available.
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12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.The product must not be allowed to run into drains or waterways.
12.2 Persistence Degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Directive 2008/98/EC.Waste treatment methodsDo not pour into drains or waterways. WasteWaste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.Do not contaminate the ground or water with waste, do not dispose of waste into the environment. Soiled packagingEmpty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number			
Road:	1169		
Sea:	1169		
Air:	1169		
14.2 UN Prpoer shipping name			
EXTRACTS, AROM			
14.3 Transport hazard class(es)			
ADR/RID/ADN Class	3IMDG Class	3ICAO Class/Division	3Transport Labels
Cl. 3_140_s	EXTRACTS, AROM	EXTRACTS, AROM	
			

14.4 Packing group

ADR/RID/ADN Packing group

III IMDG Packing group

IIICAO Packing group

III

14.5 Environmental Hazards

Environmentally H

Umwelt_140

EXTRACTS, AROM

EXTRACTS, AROM



14.6 Special precautions for users

See section 6 to 8.

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

Packed and transferred according to transport regulations

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance

Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard or precaution

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.

Other Information::

None.

Revision Date:

3/15/2022

Reason:

New SDS

Revision Number:

2

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.