



Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Frankincense Oil B. Carterii.				
Biological Definition	Volatile essential oil obtained from the dried, ground gum of the olibanum, <i>Boswellia carterii</i> , <i>Burseraceae</i> .				
INCI Name	Boswellia Carterii Gum Oil.				
Synonyms & Trade Names	Olibanum Oil.				
CAS-No	89957-98-2	EC No.	289-620-2	EINECS No.	289-620-2

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

No additional data available.

1.3 Details of the supplier of the safety data sheet

Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1

1.4 Emergency Tel. No.

604-540-8700 (Monday-Friday 8:30 am-4:30 pm)

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements displayed in Section 16.

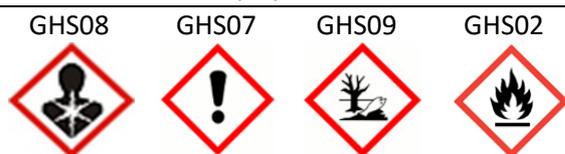
Classification (EC 1272/2008)

UN-GHS: FL 3, AH 1, SCI 2, SS 1, EH A2,C2

EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH A2,C2

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

Thujene, alpha-pinene, limonene, phellandrene, para-cymene.

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

P262 Do not get in eyes, on skin or on clothing.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301/310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
P331 Do NOT induce vomiting.

Supplementary Precautionary Statements	
P391 Collect spillage.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No.
Adverse physio-chemical properties	Combustible but should not self-ignite.
Adverse effects on human health	May cause sensitisation by skin contact.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance	
55.0 – 80.0% alpha-Thujene CAS-No: 3917-84-8/2867-05-2 EC No:	
Classification (EC 1272/2008)	
Trace – 10.0% alpha-Pinene CAS-No: 80-56-8, EC No: 201-291-9	
Classification (EC 1272/2008) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Sens.1, H317; Aquatic Acute 1, Aquatic Chronic 1, H410	
Trace – 5.0% Limonene CAS-No: 138-86-3; EC No: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	
Trace – 10.0% alpha-Phellandrene CAS-No: 99-83-2 EC No: 202-792-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Asp. Tox. 1 - H304	
Trace – 5.0% para-Cymene CAS No: 99-87-6, EC No: 202-796-7	
Classification (EC 1272/2008) Aquatic Chronic 2 – H411	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove immediately from source of exposure to fresh air. Seek medical treatment if discomfort persists.
Ingestion	Call for a doctor immediately. Immediately rinse out mouth with water.
Skin Contact	Remove contaminated clothing. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Eye Contact	Remove contact lenses. Immediately flush eyes with plenty of water by lifting eye lids for at least 20-30 minutes Seek medical advice if irritation persists.
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
Suitable extinguishing media: Foam. Carbon dioxide. Dry Chemical Powder. Unsuitable extinguishing media: Direct water jet.
5.2 Special hazards arising from the product
None known.
5.3 Advice for firefighters
Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

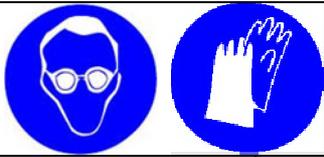
06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.
6.2 Environmental Precautions
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up.
Soak up with inert absorbent material (e.g. sand, silica gel, universal binder, sawdust). Send for disposal in a suitable container. 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
Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Ensure good ventilation of working area. Avoid static discharges in working area.
Respiratory Equipment	Avoid breathing product vapour. Apply local ventilation where possible.

Hand Protection	Avoid all skin contact. Use chemically resistant gloves.
Eye Protection	Avoid eye contact. Wear protective goggles.
Other Protection	Wear protective work clothing.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	No additional data available.
Skin Protection	Avoid all skin contact. Wear protective clothing.
Environmental Exposure Controls	The usual precautions in handling chemicals have to be observed.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale yellow to yellow.
Odour	Characteristic Strongly diffusive, almost like green lemon, with sweet woody balsamic undertone.
Relative Density	0.830 - 0.890 @ 20°C.
Flash Point (°C)	43
Refractive Index	1.440 to 1.490 @ 20°C.
Melting Point (°C)	No additional data available.
Boiling Point (°C)	133 to 137 @ 760 mm Hg (lit.)
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Negligible.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possible hazardous reactions

No additional data available.

10.4 Conditions to Avoid

Avoid heat, flame and other sources of ignition. Avoid storage temperatures above 25°C

10.5 Incompatible materials

Avoid contact with strong acids, alkalis and oxidising agents.

10.6 Hazardous Decomposition Products

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	The toxicological effects of Frankincense oil have not been thoroughly
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	investigated.
Skin corrosion / irritation	Hazard Category 2 under EC 1272/2008 guidelines.
Serious eye damage / irritation	Not categorised under EC 1272/2008 guidelines.
Respiratory or skin sensitisation	Hazard Category 1 under EC 1272/2008 guidelines.
Germ Cell Mutagenicity	Not classified as mutagenic by any authority.
Carcinogenicity	Not classified as carcinogenic by any authority.
Reproductive toxicity	Not classified as reprotoxic.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	Hazard Category 1 under EC 1272/2008 guidelines.
Photo-toxicity	Not regarded as photo-toxic.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic hazard, acute, category 2, aquatic hazard, chronic, category 2 under EC 1272/2008 guidelines.
12.2 Persistence & degradability
Expected to be biodegradable.
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
None.
12.6 Other adverse effects
Do not discharge into the environment, especially not into waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169
14.2 UN proper shipping name	
ADR - 1169 EXTRACTS, AROMATIC, LIQUID, ENVIRONMENTALLY HAZARDOUS, special provision 640E IMDG - EXTRACTS, AROMATIC, LIQUID (Frankincense Oil), MARINE POLLUTANT IATA - EXTRACTS, AROMATIC, LIQUID.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class 3 IMDG Class 3 ICAO Class/Division 3	

Transport Labels



14.4 Packing group

ADR/RID/ADN Packing group III
IMDG Packing group III
ICAO Packing group III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant.



14.6 Special precautions for user

Special precautions for user : Warning: Flammable liquids
Danger code (Kemler): 30
EMS Number: F-E, S-D.
Hazchem code: •3YE

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

No additional data available.

15. REGULATORY INFORMATION

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

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 and/or Precautionary Statements in Full

H226 Flammable liquid & 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.

Other Information	None.
Revision Date	May 6, 2016
Reason for revision	New format and updated SDS.
Rev No/Repl, SDS Generated	01

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