the essentialoil company™
essential oils | fragrances

Organic Frankincense Frereana / *Boswellia frereana*

1. IDENTIFICATION OF SUBSTANCE & COMPANY

1.1 Product Identifier

CAS Number 93164-94-4
EC Number 296-876-9
EOC Item Number **EOC249**

Product Name Organic Frankincense Frereana
Synonyms *Boswellia frereana*, Frankincense, Olibanum, Luban;
INCI Name: Boswellia Frereana Oil
Pure Substance Natural Complex Substance

Distributor:
Essential Oil Company
2150 Industrial Drive
Niles, MI 49120 - United States
T 888-541-9089
info@essentialoil.com - www.essentialoil.com

1.2 Relevant identified uses of the sustance and uses advised against

Fragrance ingredient. Do not use in or around open flame.

1.3 Details of the distributor of the safety data sheet

The Essential Oil Company

1.4 Emergency Telephone Number

CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300
CCN: 1026184

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance

GHS Classification

AH1	Aspiration Hazard	Category 1
EHA1	Hazardous to the aquatic environment, acute hazard	Category 1
EHC1	Hazardous to the aquatic environment, long-term hazard	Category 1
FL3	Flammable Liquids	Class 3
SCI2	Skin corrosion/irritation	Category 2
SS1	Skin sensitization	Category 1

2.2 Label Elements



Signal Word
Danger

Hazard Statements

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H400	Very toxic to aquatic life
H410	Very toxic to aqautic life with long lasting effects

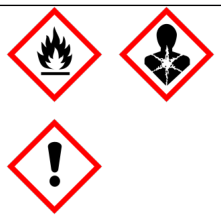
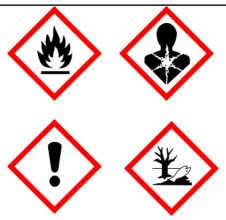
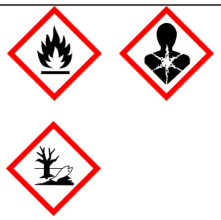
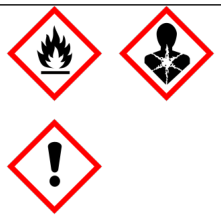
Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep containers tightly closed.
P235	Store in a well-ventilated place. Keep cool.
P241	Use explosion-proff electrical/ventilating/lighting/.../equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P280	Wear eye protection / face protection
P301 P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331	Do NOT induce vomiting
P370 P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other Information Contains Limonene

3. COMPOSITION/INFORMATION ON INGRI

3.1 Substances

Compound	CAS #	EC #	%	Risk Symbol	Classification	Symbols
Pinenes	80-56-8	201-291-9	1-3	R10 R38 R43 R65	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	
Limonene	5989-27-5	227-813-5	1-3	R10 R38 R43 R50/53	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
p-cymene	99-87-6	202-796-7	10-20	R10 R51/53 R65	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Aquatic Chronic 2 (H411)	
Myrcene	123-35-3	204-622-5	0-2	R10 R38 R65	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	
Terpinenol	562-74-3	209-235-5	2-5	R22 R38	Acute. Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	
α-Thujene	2867-05-02	220-686-7	30-60	R10 R21/22 R36/38 R43	Flam. Liq. 3 (H226) Skin Sens. 1 (H317)	

• Level of products classified Xn R65: 11-25%

4. FIRST AID MEASURES

Eye Contact	Contact with eyes can produce burning sensation. Irrigate with water immediately, continue flushing eyes with water for 15 minutes. Seek medical attention if irritation persists.
Inhalation	Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.
Ingestion	Rinse mouth; dilute with milk or water and consult a physician immediately. Do not induce vomiting. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.
Skin Contact	Skin contact can produce irritation, or itching of the skin. Remove contaminated clothing. Wash with soap and plenty of water. Seek medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point	42˚C (closed cup)
Extinguishing Media	Carbon Dioxide, dry chemical or foam.
Special Procedures	Closed containers may build up pressure at elevated temperature and should be cooled down with water spray. Containers close to fire should also be cooled with water spray.
Firefighting Hazards	None identified
Protective Equipment	Self-contained breathing apparatus and full protective gear should be worn when fighting fires involving essential oils or chemicals.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions	Use of self-contained breathing apparatus is recommended for any major chemical spill. Refer also to section 8.
Safety Precautions	Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.
6.2 Environmental Precautions	Keep away from drains, surface and ground water. Report spills to appropriate Authorities as required.
6.3 Methods for cleaning up	Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation.

7. HANDLING AND STORAGE

7.1 Handling Precautions	Avoid spilling, skin and eye contact. Ensure adequate ventilation. Close packing after use. Reproduce labelling if transferred to another container. Adopt best handling considerations when handling, carrying and dispensing.
7.2 Storage Precautions	Keep containers tightly closed. Store in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

8. EXPOSURE CONTROLS AND PERSONA

8.1 Control Parameters

Exposure Limits This product as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2 Exposure Controls

General hygienic measures Avoid skin or eye contact. Keep away from food and beverages. Wash hands before and after breaks and at the end of work.

Personal Protection

Eyes Protection	Wear safety goggles. If a material is to be handled in a manner where splashing may occur, use splash goggles or a face shield.
Respiratory Protection	In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).
Protective Gloves	Wear chemical resistant protective gloves.
Protective Clothing	Wear chemical resistant clothing.
Protective Equipment	An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Light to deep yellow liquid
Odor	Resinous, slightly musky, woody, camphorous
Flash Point	42˚C (closed cup)
Specific Gravity	0.86 g/m @ 20°C
Refractive Index	1.46 @ 20°C
Extraction Method	Hydro-distillation of the resin

10. STABILITY AND REACTIVITY

10.1 Reactivity	Reacts with strong oxidizing agents.
10.2 Chemical Stability	Chemically stable when handled and stored according to section 7.
10.3 Possibility of Hazardous Reactions	Reacts with strong oxidizing agents.
10.4 Conditions to Avoid	Avoid heat, sparks, and flame. Avoid contact with oxidizing agents.
10.5 Incompatible Materials	Incompatible with oxidizing agents.
10.6 Hazardous Decomposition Products	When heated to decomposition produces acrid fumes and carbon monoxide smoke. Avoid contact with flame, spark, or heat.

11. TOXICOLOGICAL INFORMATION

Inhalation	In high concentrations, vapors may irritate throat and respiratory system and cause coughing.
Skin contact	No specific health warnings noted.

Eye contact	Spray or vapor in
Ingestion	No specific healtl
Carcinogenicity	None of the components of this material are listed as a carcinogen.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Aquatic toxicity. Avoid any pollution of ground, surface, or underground water or wastewater.

13. DISPOSAL CONSIDERATION

13.1 Waste Treament Methods

Waste from residue or unused products	Dispose of in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Road (ADR/RID) UN No.	1197
Proper Shipping Name:	Extracts, Liquid
Alternates Include:	Extracts, Liquid for flavor or aroma
Class	3
DOT	Flammable Liquid
Air (IATA/ICAO) UN No.	1197
Proper Shipping Name	Extracts, Liquid for flavor or aroma
Class	3
Packing Group	III
Sea (IMDG):	Page 3036-1
UN No.	1197
Proper Shipping Name	Extracts, Liquid for flavor or aroma
Class	3
Packing Group	III

Class Label:
3 Flammable Liquids



Handle according to good safety procedures, keep the top tightly closed to preserve, store in cool area. Follow certified organic product handling guidelines.

15. REGULATORY INFORMATION

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

Class of water contamination (Germany): WGK

WHMIS (Canada)	n/a
HMIS (USA)	Health Hazard - 0 Fire Hazard - 0 Reactivity - 0
EU Labeling	Risk Phrases In Full: R10 - Flammable R21 - Harmful in contact with skin R22 - Harmful if swallowed R36 - Irritating to eyes R38 - Irritating to skin R43 - May cause sensitization by skin contact R50 - Very toxic to aquatic organisms R51 - Toxic to aquatic organisms R53 - May cause long-term adverse effects in the aquatic environment Contains Pinenes, Limonene

16. OTHER INFORMATION

SHELF LIFE: 10 YEARS OR MORE WHEN STORED UNDER ADVISED CONDITIONS

The information contained in this safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.