Alteya's Campus, Village of Yagoda 6167, St.Zagora Region, Bulgaria | +359 700 15 502 | info@alteya.com | AlteyaOrganics.com

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878 and Regulation 1272/2008

Organic Frankincense Carterii Oil

Version 1.0: original edition Date of creation: 12.11.2021 Date of print: 26.11.2021

1. Identification of the substance/mixture and the company/undertaking

1.1. Product Identifier

Product name	:	Organic oil of Frankincense
Substance name (INCI)	:	BOSWELLIA CARTERII OIL
Botanical name	:	Boswellia Carterii
CAS No	:	89957-98-2 / 8050-07-5
EC No	:	289-620-2 / 232-474-1
Biological origin	:	Obtained from the distillation of olibanum balm extracted mainly from the trees Boswellia carterii Bird., B.frereana Bird. and other species of the Burseraceae family.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/ Mixture	:	For application in the area of perfumery and and cosmetics, independently or as a recipe component included in compositions.
Recommended restrictions on use	:	No data available.

1.3. Details of the supplier of the safety data sheet

Company/Manufacturer	**:** ALTEYA ORGANICS LLC
Mailing address/Postal code	**:** 6167, village of Yagoda, 1, Rozovarna St.
Country identifier/ Postal code/city or town	**:** Bulgaria
Telephone/Mobile/Fax	**:** +359 700 15 502
E-mail of the competent person responsible for the Safety Data Sheet	**:** salesbg@alteya.com
National contact person	**:** Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov
Emergency telephone number: +359 2 9154409; (regular working time, Saturdays and Sundays excluded) or +359 2 9154 346 (24h service, all week)
e-mail: poison_centre@mail.orbitel.bg
http//www.pirogov.net

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification as per GHS				
Section	**Subsection**	**Hazard class**	**Hazard class and hazard category**	**Hazard statement**
2.6.	Flammable	Flammable liquids	Flammable Liquids. 3	H226
3.10	Inh.	Aspiration hazard	(Asp. Tox 1)	H304
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Skin sensitization	(Skin sens 1)	H317
4.1	Chronic	Hazardous to the aquatic environment	Aquatic Chronic 1	H410

2.1.2. Additional data:

For full text of hazard statements and EU specific hazard statements: see SECTION 16.

2.1. Label Elements

Designation according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

GHS02 GHS08 GHS07 GHS09

Signal word : Hazardous

Hazard statements :
H226 Flammable liquid and vapour.
H304 May be lethal if swallowed or enters the respiratory tract
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Environmental hazard statements :
H410 Very toxic to aquatic life with long lasting effects.

EUH 208 Contains Limonene, Linalool.
May cause allergic reaction.

Precautionary statements

Precautionary statements

- general : P102 Keep out of reach of children

Safety recommendations

- Prevention : P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  P240 Ground and bond container and receiving equipment.
  P241 Use explosion-proof [electrical/ventilating/lighting/…] equipment.
  P242 Use non-sparking tools.
  P243 Take action to prevent static discharges.
  P261 Avoid inhaling evaporations
  P262 Do not get in eyes, on skin, or on clothing.
  P233 Keep container tightly closed.
  P273 Avoid release to the environment
  P280 Use protective gloves/protective clothing / protective goggles / protective facial mask
  P284 [If inadequate ventilation] wear respiratory protection equipment.

Safety recommendations

- As a reaction	P301 + P310	IF SWALLOWED: immediately call a POISON CENTER/doctor/….
	P302 + P352	IF CONTACT WITH SKIN: Wash with plenty of water/...
	P332 + P313	If skin irritation occurs: Get medical advice/attention.
	P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
	P370 + P378	In case of fire: use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- during storage	P403 + P235	Store in a well-ventilated place. Keep cool.
	P391	Collect spillage.
- in discharge	P501	Dispose of contents/container in an approved place and in compliance with the local and national regulations.

2.2. Other hazards

No additional data available.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

3. Composition/Information on ingredients

3.1. Substances

INGRIDIENT	***IDENTIFIERS***	***%***	***CLASSIFICATION***
BOSWELLIA CARTERII OIL	*EINECS NO: 289-620-2 / 232-474-1* *CAS NO: 89957-98-2 / 8050-07-5*		 *DANGER* *Asp. Tox. 1 (H304)*

			Skin Irrit. Cat.2, H315 *Skin Sens. Cat.1, H317* *Aquatic Chronic 1, H410*
alpha-Thujene	*EINECS NO: 220-686-7* *CAS NO: 2867-05-2*	*~19,2*	*Flam. Liq. 3 H226* *Acute Tox. 4 H302* *Asp. Tox. 1, H304* *Skin Irrit. Cat.2, H315* *Skin Sens. Cat.1, H317* *Aquatic Chronic 2, H411*
α-PINENE	*EINECS NO: 232-077-3* *CAS NO: 7785-26-4*	*4,5 – 56,6*	*Flam. Liq. 3, H226* *Asp. Tox. 1, H304* *Skin Irrit. 2, H315* *Skin Sens. 1, H317* *Aquatic Acute 1, H400*
b-PINENE	*EINECS NO: 204-872-5* *CAS NO: 127-91-3*	*0,6 – 2,23*	*Flam. Liq. 3, H226* *Asp. Tox. 1, H304* *Skin Irrit. 2, H315* *Skin Sens. 1, H317* *Aquatic Acute 1, H400*
SABINENE	*EINECS NO: -* *CAS NO: 3387-41-5*	*4,4 – 9,4*	*Flam. Liq. 3, H226* *Skin Irrit. 2, H315* *Eye Irrit. 2, H319* *STOT SE 3, H335*
BETA - MYRCENE	*EINECS NO: 204-622-5* *CAS NO: 123-35-3*	*0,1 – 8,7*	*Flam. Liq. 3 - H226* *Asp. Tox. 1, H304* *Skin Irrit. 2 – H315* *Eye Irrit. 2 - H319*
LIMONENE	*EINECS NO: 227-813-5* *CAS NO: 5989-27-5*	*7,8 – 20,0*	*Flam. Liq. 3 – H226* *Skin Irrit. 2 – H315* *Skin Sens. 1 – H317* *Asp. Tox. 1 - H304* *Aquatic Acute 1 – H400* *Aquatic Chronic 1 – H410*
P-CYMENE	*EINECS NO: 202-796-7* *CAS NO: 99-87-6*	*0,5 – 7,3*	*Flam. Liq. 3, H226* *Acute Tox. 4, H302* *Asp. Tox. 1, H304* *Skin Irrit. 2, H315* *Aquatic Chronic 2, H411*
BETA-CARYOPHYLLENE/ (−)-trans-Caryophyllene	*EINECS NO: 202-795-1* *CAS NO: 99-86-5*	*0,1 – 4,9*	*Not classified as hazardous according to the EC Regulation 1272/2008/EC*
Beta - Cadinene	*EINECS NO: - CAS NO: 523-47-7*	*0,1 – 1,6*	*Not classified as hazardous according to the EC Regulation 1272/2008/EC*
Terpinene-4-ol	*EINECS NO: 209-235-5* *CAS NO: 562-74-3*	*0,4 – 1,7*	*Acute Tox. 4, H302* *Skin Irrit. 2, H315* *Eye Irrit. 2, H319* *STOT SE 3, H335*
Verbenone	*EINECS NO: -* *CAS NO: 1196-01-6*	*0,6 – 4,5*	*Comb. liq. Cat 4, H227* *Acute Tox. 4, H302* *Acute Tox. 4, H332* *Skin Irrit. 2, H315* *Skin Sens. 1B H317* *Eye Irrit. 2, H319*
LINALOOL	*EINECS NO: 201-134-4* *CAS NO: 78-70-6*	*До 0,2*	*Acute Tox. Oral 5 (H303)* *Eye Irrit. 2A (H319)* *Flam. Liq. 4 (H227)* *Aquatic Acute 3 (H402)* *Skin Sens. 1B (H317)* *Skin Irrit. 2 (H315)*

4. First Aid Measures

4.1. Description of first aid measures

- General notes	:	If you feel unwell, seek medical advice (Show this safety data sheet to the attending physician, if possible)
-Following inhalation	:	In case of labored respiration remove the person to fresh air and leave him /her/ to rest in a position, suitable for breathing. In case of labored respiration oxygen may be needed. If symptoms appear call a doctor.
- Following skin contact	:	Remove immediately contaminated clothing. wash thoroughly the skin with soap and water for a few minutes. Seek medical attention if irritation develops and persists.
- Following eye contact	:	Immediately rinse eyes with plenty of water lifting the eyelids for at least 10 minutes. Remove contact lenses if there are such and if possible. Continue rinsing. If symptoms (irritation, burning) persist, seek medical attention.
- Following ingestion	:	Immediately call a doctor or a toxicology center. In case of swallowing wash the mouth with water (only if the person is conscious). Do not induce vomiting. In case of vomiting, the head should be hold low so that the vomiting from the stomach should not enter the lungs.

4.2. Most important symptoms and effects, both acute and delayed

If contact with skin	:	May cause allergic skin reaction.
If contact with eyes	:	Direct contact with the eyes may cause temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	:	Symptomatic treatment

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray, mist, CO_2, dry chemical, alcohol resistant foam.

Unsuitable extinguishing media	:	Water - a strong jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	:	In case of fire, irritating, corrosive and / or toxic gases may be released.

5.3. Advice for firefighters

Special protective for firefighters	:	Firefighters should use standard protective equipment including flame-retardant covering, helmet with a face shield, gloves, and gumboots. Use self contained breathing apparatus. Closed containers with the product located near the fire should be cooled using water. Do not allow penetration of the flow of the contaminated firefighting material in the sewer systems, ground and underground waters.
Additional data :		In case of fire and / or explosion do not breathe vapors.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Remove all ignition sources. Avoid skin contact or inhaling spillage, dust or evaporations. Keep the not engaged staff away. Do not touch damaged containers or spilled material, unless you wear appropriate protective clothing. Check closed areas, before entering them. Stop leakage if you can do it without any risk. Follow the instructions in Sections 7, 8 and 13.

For firefighters: Firefighters will be provided with appropriate personal protective equipment (see section 8).
The high temperature can increase the pressure in the container – cool the container spraying water on it.

6.1.2. For the persons responsible for emergencies

Personal protective equipment:		Maintain good professional and personal hygiene. Avoid inhalation of product vapors and skin and eye contact.

6.2. Environmental precautions

Environmental precautions	:	Avoid penetration in sewer system. Avoid contamination of soil and surface and underground waters.

6.3. Methods and materials for containment and cleaning up

6.3.1. For containment : The spilled product should be covered with suitable (non-combustible) absorbing material (sand, desmid earth, soil or other suitable absorbing materials). The product doesn't mix with water and should spread on the water surface.

6.3.2. For cleanup :

Large spillages:

Stop the material flow if you can do it without any risk. Earth up the pilled material, where possible. Cover with plastic sheet to avoid distribution. Absorb using vermiculite, dry sand or earth and place in containers. Never return the spillages in the original containers for re-use.

Small spillages:

Wipe using absorbing material (for instance towel, fleece). Clean thoroughly the surface to remove residual pollution. Preserve and dispose of the contaminated water used for washing. Avoid release in environment. Contact local authorities in case of spillage in sewer systems/water environment. Prevent further leakage or spillage if can be done safely. Do not pollute water.

6.4. Reference to other sections

See sections 7, 8 and 13.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions : Ventilate the warehouse/the laboratory for storage and processing. Avoid eating, drinking and smoking where the products are stored and processed. Handle carefully to avoid projection, especially in the eyes and mucous membranes. Do not expose vapors to flame or other ignition sources. Do not inhale hot evaporations. Work in accordance with the rules of industrial hygiene and safety. Wear suitable protective clothing. Always wash your hands after handling. Remove and wash contaminated clothing before reuse.

Fire-fighting measures : Take precautions against static discharges. Protect from heat. Protect from ignition sources. All the equipment, used to handle the product should be grounded.

Measures to prevent the transformation of aerosols and dust : Use adequate ventilation or exhaust gases at the operation area.

Hygiene measures : Wash your hands before breaks and at the end of the working day. Avoid skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Store in full tightly closed containers, away from heat, light and other ignition sources at a temperature of 15-25˚C.
Incompatible materials	:	Do not store near heat, sparks, naked flame, strong acids. When not in use keep the container tightly closed.
Packing materials	:	It is recommended to store the product in an airtight container.
Storage class	:	No data available
Additional information for storage conditions:		Keep away from strong oxidants.
Requirements to storage areas and containers	:	Store in its original packing only.
Recommendations for protection: from fire and explosions		Keep away from sources of ignition and naked flame.
Recommendations for primary: storage		Use the good professional practices and occupational hygiene practices providing adequate ventilation for the operational area. Maintain good personal hygiene and do not eat, drink and smoke at work. **It is recommended to follow the requirements on packing and storage according to ISO/TS 210:2015.**

7.3. Specific end use(s)

Recommendations	:	Before using read the label.
Solutions specific to the industry sector	:	No information available.
Specific use(s)	:	For application in the area of perfumery and cosmetics, independently or as a recipe component included in compositions.
Additional information	:	Follow the regulations depending on the purpose: • the regulation on cosmetic products, if they are advertised as cosmetics (eg perfume, highly diluted essential oils for use on the body such as massage oils or bath additives).

8. Exposure Controls/Personal Protection Equipment

8.1. Control parameters

(R)-p-Mentha-1,8-diene - Index: NA, CAS: 5989-27-5, EC No: 227-813-5
TLV TWA - TLV STEL- VLE 8h- VLE short: None.

Pinene Limit value -8 hours 113 mg/m³ -

Other occupational exposure limits

Information on monitoring procedures
Relevant DNEL-/DMEL-/PNEC and other threshold levels

DERIVED NO EFFECT LEVEL (DNEL)OR DERIVED MINIMUM EFFECT LEVEL (DMEL):

LINALOOL(CAS:78-70-6)

Final Use: Workers.
Exposure Method: Dermal Contact.
Potential Health Effects: Short Term Systemic Effects.
DNEL: 5mg/kg body weight/day

Exposure Method: Dermal Contact.
Potential Health Effects: Short Term Local Effects.
DNEL: 15mg of substance/cm2

Exposure Method: Dermal Contact.
Potential Health Effects: Long Term Systemic Effects.
DNEL: 2.5mg/kgbody weight/day

Exposure Method: Dermal Contact.
Potential Health Effects: Long Term Local Effects.
DNEL: 15mg of substance/cm2

Exposure Method: Inhalation.
Potential Health Effects: Short Term Systemic Effects.
DNEL: 16.5mg of substance/m3

Exposure Method: Inhalation.
Potential Health Effects: Long Term Systemic Effects.
DNEL: 2.8mg of substance/m3

Final Use: Consumers.
Exposure Method: Ingestion.
Potential Health Effects: Short Term Systemic Effects.
DNEL: 1.2mg/kgbody weight/day

Exposure Method: Ingestion.
Potential Health Effects: Long Term Systemic Effects.
DNEL: 0.2mg/kg body weight/day

Exposure Method: Dermal Contact.
Potential Health Effects: Short Term Systemic Effects.
DNEL: 2.5mg/kg body weight/day

Exposure Method: Dermal Contact.
Potential Health Effects: Short Term Local Effects.
DNEL: 15mg of substance/cm2

Exposure Method: Dermal Contact.
Potential Health Effects: Long Term Systemic Effects.
DNEL: 1.25mg/kg body weight/day

Exposure Method: Dermal Contact.
Potential Health Effects: Long Term Local Effects.
DNEL: 15mg of substance/cm2

Exposure Method: Inhalation.
Potential Health Effects: Short Term Systemic Effects.
DNEL: 4.1mg of substance/m3

Exposure Method: Inhalation.
Potential Health Effects: Long Term Systemic Effects.
DNEL: 0.7mg of substance/m3

ß-pinene 18172-67-3
DNEL 5,69 mg/m³ human, inhalation industrial worker chronic - systemic effects
DNEL 0,8 мг/кг mm/per day, human,dermal industrial worker chronic - systemic effects
DNEL 54 µg/cm² човек, human,dermal industrial worker chronic - local effects

PREDICTED NO EFFECT CONCENTRATION (PNEC): LINALOOL(CAS:78-70-6)

Environmental Compartment: Soil.
PNEC: 0.327mg/kg

Environmental Compartment: Fresh Water.
PNEC: 0.2mg/l

Environmental Compartment: Sea Water.
PNEC: 0.02mg/l

Environmental Compartment: Intermittent Waste Water.
PNEC: 2mg/l
Environmental Compartment: Fresh Water Sediment.
PNEC: 2.22mg/kg

Environmental Compartment: Marine Sediment.
PNEC: 0.222mg/Kg

Environmental Compartment: Waste Water Treatmentplant.

PNEC: *10mg/l*

ß-pinene 18172-67-3

PNEC 1,004 µg/l fresh water short-term (instantaneous)
PNEC 0,1 µg/l marine water short-term (instantaneous)
PNEC 3,26 mg/l sewage-treatment plant (STP) short-term (instantaneous)
PNEC 0,337 mg/kg fresh water sediment short-term (instantaneous)
PNEC 0,034 mg/kg marine sediment water short-term (instantaneous)
PNEC 0,067 mg/kg soil short-term (instantaneous)

8.2. Exposure controls

8.2.1. Appropriate engineering control

Measures related to the substance/mixture to prevent exposure during identified uses: The description of the appropriate exposure control measures refer to the specified in subsection 1.2 identified uses of the substance or the mixture. Usually general or local exhaust ventilation is required to observe the limit(s) of exposure.

8.2.2. Personal protective equipment: Use personal protective equipment, clean and correctly maintained. Keep the personal protective equipment in a clean place far from the operating area. Never eat, drink or smoke while handling the product. Remove and wash the contaminated clothing before re-use.

8.2.2.1.Eye and face protection: Avoid eye contact. Use eye protectors (goggles complying with EN 166), intended to protect eyes from liquid splashes.

8.2.2.2.Skin protection

Hand protection: Wear appropriate protective gloves (chemical resistant according EN 374 standard) in case of prolonged or repeated skin contact. Recommended type of gloves: nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR) or PVA (polyvinyl alcohol).

Body protection: The protective clothing should be regularly washed. After a contact with the product all the contaminated parts of the body should be washed.

8.2.2.3. Protection of respiratory airways : In case the ventilation is not sufficient respiratory tract protection equipment should be used. When vapors / aerosols type A are generated.

8.2.2.4. Thermal hazards	:	No data available.
8.2.2.5.Additional protection	:	In case of spillage protective boots against slipping may be used.
Measures for training related to prevention of exposure	:	Training of personnel by internal schedule.
Organizational measures to prevent exposure	:	Training of personnel
Technical measures to prevent exposure	:	Training of personnel

Environmental exposure controls

General notes	:	Do not wash-off in surface waters.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	mobile oily liquid
Colour	:	colorless to light yellow or to pale amber liquid
Odour	:	Balsamic-spicy (with lemon notes), sweet-woody taste, ethereal
Odour threshold	:	No data available from our supplier on this matter
Solubility in 90% ethanol	:	1 : 0.5 - 6
pH	:	6.0 - *external source*
Acid number, KOH/g	:	1.9 – 4.0
Ester number, KOH/g	:	4.0 – 40.0
Acetyl number, KOH/g	:	28 – 48
Melting point/ freezing point	:	No information available.
Boiling point or initial boiling point and boiling range	:	No information available.
Flammability	:	flammable

Explosivity	:	No information available.
Lower and upper limit of explosivity	:	No information available.
Flash temperature °C	:	42.0 - 59.0
Boiling point	:	No information available.
Self-ignition temperature	:	No information available.
Decomposition temperature	:	No information available.
pH	:	No information available.
Solubility(ies)	:	in glyceride oils and with slight turbidity in mineral
Insoluble in	:	water, glycerin, propylene glycol
Partition coefficient n-octanol/water (logarithmic value)	:	No information available.
Vapor pressure	:	No information available.
Density and/or relative density	:	No information available.
Vapor relative density	:	No information available.
Characteristics of particles	:	Not applicable.

9.2. Other information

Refractive index n^{20}/d:		1.460 -1.482
Relative density at d^{20}	:	0.860 - 0.892

No additional data available.

9.2.1. Information on the classes of physical hazards

Note	:	No information available.

10. Stability and Reactivity

10.1. Reactivity

Note	:	Stable at the recommended conditions of storage.

10.2. Chemical stability

Note	:	Stable at the recommended conditions of storage.

10.3. Possible hazardous reactions

Hazardous reactions	:	Fire hazard.

10.4. Conditions to avoid

Conditions to avoid	:	Keep away from ignition sources – do not smoke. Do not store near heat, sparks, naked flames.
Thermal decomposition	:	No data

10.5. Incompatible materials

Materials to avoid	:	Strong oxidizing agents. Avoid flammable materials, PVC.

10.6. Hazardous decomposition products

Hazardous decomposition products	:	In case of fire, hazardous decomposition products, carbon oxides may be generated.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

D-Limonene(Cas:5989-27-5)
Oral Route:Ld50= 4,400 - 5,10mg/Kg
Species :Rat

beta.-Myrcene
Intraperitoneal TDLO (mouse): 25 mg/kg; Oral LD50 (rat): >11.39 gm/kg;
Oral LD50 (mouse): 5060 mg/kg

Oral LD50
alpha-Pinene 3.700 mg/kg (rat)
Oral LD50
beta-Pinene 4.700 mg/kg (rat)

Oral LD50
p-Cymene 1.400 mg/kg (rat)

Oral LD50
Terpinene-4-ol 1.300 mg/kg (rat)

LINALOOL(CAS:78-70-6)
ORAL ROUTE: LD50=2200MG/KG
SPECIES: MOUSE
OECDGUIDELINE 401(ACUTE ORAL TOXICITY)

Corrosion/Skin irritation

D-LIMONENE(CAS:5989-27-5)
ORAL ROUTE: LD50= > 5000MG/KG
SPECIES : Rabbit

D-LIMONENE(CAS:5989-27-5)
ORAL ROUTE: LD50= > 5,600 - 6000MG/KG
SPECIES : Mouse

LINALOOL(CAS:78-70-6)
DERMAL ROUTE :LD50=5610MG/KG
SPECIES: RABBIT
OECDGUIDELINE 402(ACUTE DERMAL TOXICITY)

LINALOOL(CAS:78-70-6)
IRRITATION: AVERAGE SCORE =1.85
EFFECT OBSERVED : ERYTHEMA SCORE
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 404(ACUTE DERMAL IRRITATION /CORROSION)

Dermal LD50
alpha-Pinene > 5.000 mg/kg (rabbit)

Dermal LD50
Myrcene > 5.000 mg/kg (rabbit)

Dermal LD50
p-Cymene > 5.000 mg/kg

Notes : Causes skin irritation.

Serious damage/Eye irritation

Result : Serious eye damage. It can cause irreversible effect on eyes, such as damage of eye tissue or serious physical degradation of vision that is not completely reversible to the end of the observation on the 21st day. The serious damage of eyes is characterized by destruction of cornea, persistent cornea opacity and iritis.

LINALOOL(CAS:78-70-6)
***CORNEAL HAZE**: AVERAGE SCORE =1*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405 (ACUTE EYE IRRITATION /CORROSION)
***IRITIS:** AVERAGE SCORE =0.6*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION)

CONJUNCTIVAL REDNESS: AVERAGE SCORE =2.3
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION

Notes : May cause eye irritation. Quick rinsing and removing the substance will avoid damage.

Respiratory or skin sensitization

Note : May cause allergic skin reaction.

Ingestion

Note : No data available.

Mutagenicity of germ cells

Note : No data available.

Carcinogenicity

Note : CAS 5989-27-5: IARC Group 3: The agent cannot be classified with regard to its carcinogenicity in humans.

Summary of the CMR assessment

Note : No data available.

STOT (specific target organ toxicity) — single exposure

Note : No data available.

STOT (specific target organ toxicity) — repeated exposure

Note : No data available.

Aspiration hazard

Note : May be lethal if swallowed and in case it penetrates the respiratory tract.

Information on possible routes of exposure

Note : Dermal

Symptoms related to physical, chemical and toxicological characteristics

Note : No known. Irritates eyes in case of exposure. Redness of skin in case of irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Note	:	Exposure to vapors, exceeding the professional exposure limit, may have adverse effect on health, such as mucosal irritation, membranes and respiratory system irritation and adverse effects on kidneys, liver and central nervous system. The repeated and prolonged contact with the substance may remove the natural oil from skin, and cause non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible damage.

Interactions		
Note	:	Toxicological properties are not comprehensively studied

Lack of specific data		
Note	:	Toxicological properties are not comprehensively studied

Mixtures		
Note	:	Toxicological properties are not comprehensively studied

Medical considerations		
Note	:	Persons with a rash are forwarded to a dermatologist to be examined for allergic eczema

Other information		
Note	:	Toxicological properties are not comprehensively studied

11.2. Endocrine disrupting properties

Note : No additional data available

12. Ecological Information

Note : No additional data available

12.1. Toxicity

Product:
Acute (short-term) toxicity:

Fish

LINALOOL(CAS:78-70-6)

FISH TOXICITY: DURATION OF EXPOSURE :96H

LC50=27.8MG/L

SPECIES :ONCORHYNCHUS MYKISS

OECDGUIDELINE 203(FISH,ACUTE TOXICITY TEST)

Toxicity to daphnia and other aquatic invertebrates

LINALOOL(CAS:78-70-6)

CRUSTACEAN TOXICITY DURATION OF EXPOSURE :48H

EC50=59MG/L

SPECIES :DAPHNIA MAGNA

OECDGUIDELINE 202(DAPHNIA SP.ACUTE)

Algae/aquatic plants

LINALOOL(CAS:78-70-6)

IMMOBILISATION TEST

ALGAE TOXICITY: DURATION OF EXPOSURE :96H

ECR50=88.3MG/L

SPECIES :DESMODESMUS SUBSPICATUS

OTHER GUIDELINE

Bacteria

Note : No data

Chronic (long-term) toxicity:

Note : No data

Fish

Note : No data

Shellfish

Note : No data

Algae/aquatic plants

Note : No data

Other organisms

Note : No data

12.2. Persistence and degradability

Product:

Abiotic degradation

Degradation of mixture components

DL-α-pinene 80-56-8
oxygen depletion 68 % - 28 d

Myrcene 123-35-3
oxygen depletion 76 % - 28 d

Physical and photo-chemical elimination

Note : No data available

Biochemical degradation

Note : Biodegradation expected.

12.3. Bioaccumulation potential

Product: No data available

Bioaccumulation of mixture components:

DL-α-pinene 80-56-8 Log KOW 4,83
DL-limonene 138-86-3 Log KOW 4,57
Myrcene 123-35-3 Log KOW 4,82 (pH стойност:~6,5, 30 °C)

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Known or predicted distribution in environmental components

Note : No data

Surface tension

Note : No data

Adsorption/desorption

Note : No data

12.5. Results of PBT and vPvB assessment

This product does not contain substances considered persistent, bioaccumulative, or toxic PBT.

Product:

Results of PBT and vPvB assessment

Notes : No additional data available

12.6. Other adverse effects

Product:		
Biochemical oxygen demand (BOD)		
Value	:	No additional data available
Chemical oxygen demand (COD)		
Value	:	No additional data available

1.1. Additional ecological information/ Mobility in soil

Notes	:	No additional data available

12.7. Additional information

Notes	:	Avoid penetration of products in streams, sewer systems or other water routes.

13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product	Dispose of in accordance with all local and national regulations.
Contaminated packaging material	Dispose of as unused product. Do not contaminate soil, water or environment with waste containers. Waste products should be treated according to the applicable local, national and European legislation.
European Catalogue waste	No waste code can be given for this product according to the European Waste Catalogue since number it is related to its potential use. Waste code is given after consultation with the regional waste service

13.1.2. Information on waste treatment — Contact an authorized professional service to dispose of this material.

13.1.3. Information on discharge into drainage — Do not discharge in streams, sewer systems or other water routes.

15. Information on transportation

Transport :

Icon **Class 3.3 - Highly flammable liquids, dangerous at elevated temperatures**

15.1. UN number

1169

15.2. UN proper shipping name

1169 BOSWELLIA CARTERII OIL

15.3. Transport hazard class(es)

1169 AROMATIC EXTRACTS LIQUID

15.4. Packing group

III

15.5. Environmental hazard

15.6. Special precautions for user

Not applicable

15.7. Transport in bulk according to Annex II to MARPOL and IBC Code“

Road transport

ADR *Class 3, packing group III, UN 1169*

RID *Class 3, packing group III, UN 1169*

Tunnel code A, B, C, D

Waterway transport

ADN *Class 3, packing group III, UN 1169*

Maritime transport

IMDG ***Class 3, packing group III, UN 1169***

Marine pollutant: Yes

Air transport

IATA/CAO *Class 3, packing group III, UN 1169*

16. Regulatory Information

16.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

Other regulations / Laws :This safety data sheet is consistent with the Law on Protection from Harmful Effects of Chemicals and Preparations, and the Ordinance on the Classification, Packaging and Labelling

EU legislative acts : accordingly, EU regulations.

Other legal acts, restrictions and prohibitive standards : No data available

16.2. Chemical Safety Assessment

No data available.
The supplier has not prepared a chemical safety assessment for this substance/mixture.

17. Other information

Shelf life : 30 month from the date of manufacture.

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures
ADR	Accord européen relatif au transport international des marchandises dangereuses par route
Aquatic Chronic 1	Hazardous for aquatic environment – chronic toxicity
Asp.Tox 1	Aspiration hazard
BCF	bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging

	of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
COD	Chemical Oxygen Demand
DGR	Dangerous Goods Regulations
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Existing Commercial Chemical Substances
EmS	Emergency Schedule
GHS	Globally Harmonized System of Classification and Labelling of Chemicals developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
Log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. to Marine Pollutant)
NLP	No-longer polymer
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses
Corrosion/ irritation 2	Skin irritation
Skin Sens.	Skin Sensitization
vPvB	very Persistent and very Bioaccumulative
EU No in EC	(EINECS, ELINCS and NLP – list) is the source of the seven digit number, identifying the
Index No	The index number is the identification code of the substance in part 3 of Annex VI of
VOC	Volatile Organic Compounds

Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EU

- Regulation (EC) No 1272/2008 (CLP, EC GHS)

-

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	**Text**
H226	Flammable liquid and vapour
H304	Can be lethal if swallowed or enters the respiratory tract
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H410	Very toxic to aquatic life with long lasting effects
EUH 208	Contains Linalool, Limonene. May cause allergic reaction.

	List of Safe Handling Instructions used in the Safety Data Sheet
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting/…] equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P262	Do not get in eyes, on skin, or on clothing.
P233	Keep container tightly closed.
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	(If inadequate ventilation) use respiratory tract protective equipment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/…
P302+P352	IF SKIN CONTACT: wash with plenty of water…
P305+P351+ P338	If in eyes: Rinse cautiously with water for several minutes.
P370+P378	In case of fire: Use… to extinguish.
P303+P361+ P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P235	Wash contaminated clothing before reuse
P391	Collect spillage
P501	Dispose of the content / container in an approved for disposal place in compliance with the local and national regulations.

Other information :

In accordance with general product specification: The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.
To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.
The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee (expressed or implied) or quality specification with respect to the correctness or accuracy.
It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.
The information relates to the specific product only and is not valid when used in combination with other materials or in any process, unless specified in the text.
The information provided does not constitute a delivery contract; regarding any specification or for a given application, the buyer must determine for himself their requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.
If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet cannot be assigned to the new material unless expressly stated otherwise.
The information presented is intended only as a guidance for proper and safe use, handling, processing, storage, transportation and disposal, and should not be considered a guarantee or a quality specification.
Due to the man factors out of our control we cannot assume responsibility for any incidents, accidents, loss or damage resulting from the use of this product

E N D!

LIST OF 26 ALLERGEN SUBSTANCES / ANNEX III TO REGULATION (EC) NO 1223/2009

Customer: ALTEYA ORGANICS LLC - 1 Rose field street, 6167, village of Yagoda, Stara Zagora

Name of product: Organic Frankincense Oil (Boswellia Carterii Oil - Organic)

	NAME OF SUBSTANCES	REMARK	CAS No	EINECS No	NATURAL %	SYNTHETIC %	TOTAL %
1	*AMYL CINNAMAL*	*H317; H411*	*122-40-7*	*204-541-5*	-	-	-
2	*AMYLCINNAMYL ALCOHOL*	*H315; H317*	*101-85-9*	*202-982-8*	-	-	-
3	*ANISE ALCOHOL*	*H302; H318 H317*	*105-13-5*	*203-273-6*	-	-	-
4	*BENZYL ALCOHOL*	*H332; H302*	*100-51-6*	*202-859-9*	-	-	-
5	*BENZYL BENZOATE*	*H302*	*120-51-4*	*204-402-9*	-	-	-
6	*BENZYL CINNAMATE*	*H317; H411*	*103-41-3*	*203-109-3*	-	-	-
7	*BENZYL SALICYLATE*	*H317; H411*	*118-58-1*	*204-262-9*	-	-	-
8	*CINNAMAL*	*H312; H315 H317*	*104-55-2*	*203-213-9*	-	-	-
9	*CINNAMYL ALCOHOL*	*H317*	*104-54-1*	*203-212-3*	-	-	-
10	*CITRAL*	*H315 H317*	*5392-40-5*	*226-394-6*	-	-	-
11	*CITRONELLOL*	*H315; H317 H411*	*106-22-9*	*203-375-0*	-	-	-
12	*COUMARIN*	*H302; H317*	*91-64-5*	*202-086-7*	-	-	-
13	*EUGENOL*	*H319; H317*	*97-53-0*	*202-589-1*	-	-	-
14	*FARNESOL*	*H315; H319*	*4602-84-0*	*225-004-1*	-	-	-
15	*ALPHA-ISOMETHYL IONONE*	*H412*	*127-51-5*	*204-846-3*	-	-	-
16	*GERANIOL*	*H315; H317*	*106-24-1*	*203-377-1*	-	-	-
17	*HEXYL CINNAMAL*	*H317*	*101-86-0*	*202-983-3*	-	-	-
18	*HYDROXYCITRONELLAL*	*H319; H317*	*107-75-5*	*203-518-7*	-	-	-
19	*ISOEUGENOL*	*H312; H302 H319; H315 H317*	*97-54-1*	*202-590-7*	-	-	-
20	*BUTYLPHENYL METHYLPROPIONAL (LILIAL)*	*H317*	*80-54-6*	*201-289-8*	-	-	-
21	*LIMONENE*	*H226; H315 H317; H411*	*5989-27-5*	*227-813-5*	*18.0*	-	*18.0*
22	*LINALOOL*	*H315*	*78-70-6*	*201-134-4*	*0.2*	-	*0.2*
23	*HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (LYRAL)*	*H317*	*31906-04-4*	*250-863-4*	-	-	-
24	*METHYL 2-OCTYNOATE*	*H302; H317*	*111-12-6*	*203-836-6*	-	-	-
25	*EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)*	*H317*	*90028-67-4*	*289-860-8*	-	-	-
26	*EVERNIA PRUNASTRI (OAK MOSS)*	*H317*	*90028-68-5*	*289-861-3*	-	-	-

According to Regulation EO 1223/2009 is here by amended as follows:
The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds:— 0,001 % in**"leave-on"** products, (and)— 0,01 % in"rinse-off" products