



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

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

PRODUCT NAME: Frankincense Essential Oil

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: 18

CAS NUMBER: 8016-36-2

EC NUMBER: 232-474-1

INCI: Boswellia carterii gum oil

IDENTIFIED USES: Multiple uses in the Flavour and Fragrance industries.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 8016-36-2

EC: 232-474-1

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Flammable Liquid, hazard Category 3
- HEALTH HAZARDS: Skin Corrosion / Irritation Category 2
Eye Damage / Irritation Category 2
Sensitisation – Skin Category 1
Aspiration Hazard Category 1
- ENVIRONMENTAL HAZARDS: Hazardous to the Aquatic Environment – Acute Hazard Category 1
Hazardous to the Aquatic Environment – Long-term Hazard Category 1

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

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.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

P210 Keep away from heat, sparks open flames and hot surfaces. No Smoking
P333 Keep container tightly closed.
P240 Ground/bound container and receiving equipment.
P241 Use explosion -proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/vapour.

SDS: 18 Frankincense Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs | Date:04/06/2019 - Version: 4

P264 Wash hands and other contacted skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment,
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P301/P310 IF SWALLOWED: Immediately call a POISON CENTRE or Doctor.
P303/P361/P353 IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse with water/shower.
P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do not induce vomiting.
P333/P313 If skin irritation or rash occurs: Get medical advice /attention.
P362 Take off contaminated clothing and wash before reuse.
P370/P378 In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391 Collect spillage.
P403/P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

3: COMPOSITION/INFORMATION ON INGREDIENTS

54% alpha-Pinene	
CAS NUMBER: 80-56-8	EC NUMBER: 201-291-9
CLASSIFICATION (EC 1272/2008):	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410
13% 4-Carvomenthenol	
CAS NUMBER: 562-74-3	EC NUMBER: 209-235-5
CLASSIFICATION (EC 1272/2008):	ATO 4-SCI 2-EDI 2; H302-H315-H319
7.5% p-Cymene	
CAS NUMBER: 99-87-6	EC NUMBER: 202-796-7
CLASSIFICATION (EC 1272/2008):	FL 3-AH 1-EH C2; H226-H304-H411
3.5% d,l-Limonene (isomer unspecified)	
CAS NUMBER: 7705-14-8	EC NUMBER: 231-732-0
CLASSIFICATION (EC 1272/2008):	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410
2.0% Camphene	
CAS NUMBER: 79-92-5	EC NUMBER: 201-234-8
CLASSIFICATION (EC 1272/2008):	FS 2-EDI 2-EH A1-EH C1; H228-H319-H410

2.0% beta-Pinene

CAS NUMBER: 127-91-3

EC NUMBER: 204-872-5

CLASSIFICATION (EC 1272/2008):

FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1; H226-H304-H315-H317-H410

1.5% Linalool

CAS NUMBER: 78-70-6

EC NUMBER: 201-134-4

CLASSIFICATION (EC 1272/2008):

SCI 2-EDI 2; H315-H319

1.5% Myrcene

CAS NUMBER: 123-35-3

EC NUMBER: 204-622-5

CLASSIFICATION (EC 1272/2008):

FL 3-SCI 2-EDI 2- AH 1; H226-H304-H315-H319

1.5% beta-Thujone

CAS NUMBER: 471-15-8

EC NUMBER: 214-405-7

CLASSIFICATION (EC 1272/2008):

ATO 4; H302

1.0% beta-Caryophyllene

CAS NUMBER: 87-44-5

EC NUMBER: 214-405-7

CLASSIFICATION (EC 1272/2008):

AH 1; H304

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.**4: FIRST AID MEASURES**

INGESTION:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

SKIN CONTACT:

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

EYE CONTACT:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

MOST IMPORTANT SYMPTOMS AND EFFECTS,
BOTH ACUTE AND DELAYED:

May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

INDICATION OF ANY IMMEDIATE MEDICAL
ATTENTION AND SPECIAL TREATMENT

NEEDED:

None expected. See Section 4.1 for further information

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:

Carbon dioxide, Dry Chemical, Foam.

SPECIAL HAZARDS ARISING FROM THE

SUBSTANCE OR MIXTURE:

Carbon Monoxide Unidentified organic compounds.

ADVICE FOR FIRE-FIGHTERS:

In case of insufficient ventilation, wear suitable respiratory equipment.

6: ACCIDENTAL RELEASE MEASURESPERSONAL PRECAUTIONS, PROTECTIVE
EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Sections 7 & 8.

ENVIRONMENT PRECAUTIONS:

Keep away from drains, surface and ground water and soil.

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.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:

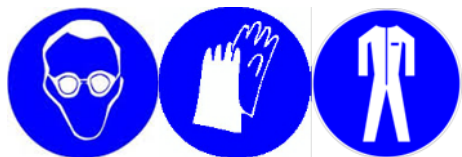
Keep away from heat, sparks, open flames and hot surfaces. No smoking.

STORAGE PRECAUTIONS:

Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Provide adequate ventilation.

EYE/FACE PROTECTION:

Wear eye protection/face protection.

HAND PROTECTION:

Wear protective gloves

OTHER SKIN AND BODY PROTECTION:

Wear appropriate clothing to prevent skin contact.

HYGIENE MEASURES:

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

RESPIRATORY PROTECTION:

Under normal conditions of use and where adequate ventilation is available to prevent build-up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.

ENVIRONMENTAL EXPOSURE CONTROLS:

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Pale yellow to greenish yellow liquid.

COLOUR:

Pale yellow to greenish yellow.

ODOUR:

Terpeny, warm, sweet, balsamic.

FLASH POINT °C:

41

SPECIFIC GRAVITY @ 20°C:

0.8600 – 0.8900

REFRACTIVE INDEX @ 20°C:

1.450-1.485

SOLUBILITY:

Insoluble in water.

10: STABILITY AND REACTIVITY

REACTIVITY:	Presents no significant reactivity hazard, by itself or in contact with water.
CHEMICAL STABILITY:	Good stability under normal storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Not expected under normal conditions of use.
CONDITIONS TO AVOID:	Avoid extreme heat.
INCOMPATIBLE MATERIALS:	Avoid contact with strong acids, alkalis or oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not expected.

11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:	May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE ORAL TOXICITY:	3273.63
ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE DERMAL TOXICITY:	19230.77
ASSUMED TOXICITY VALUE (LD50 OR ATE) FOR ACUTE INHALATION TOXICITY:	Not available.
INHALATION ROUTE:	Not available.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:	Very toxic to aquatic life with long lasting effects.
PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
RESULTS OF PBT AND vPvB ASSESSMENT:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
OTHER ADVERSE EFFECTS:	Not available.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.
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14: TRANSPORT INFORMATION

UN No.: UN1169
PROPER SHIPPING NAME: EXTRACTS, AROMATIC, LIQUID
TRANSPORT HAZARD CLASS(ES): 3



PACKING GROUP: III
ENVIRONMENTAL HAZARDS: This is an environmentally hazardous substance



TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: Not applicable.

15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE: None additional.
CHEMICAL SAFETY ASSESSMENT: A Chemical Safety Assessment has not been carried out for this product.

16: OTHER INFORMATION

KEY TO ABBREVIATIONS:

AH 1	Aspiration Hazard Category 1.
ATO 4	Acute Toxicity – Oral Category 4.
EDI 2	Eye damage/irritation Category 2.
EH A1	Hazardous to the Aquatic Environment – Acute hazard Category 1.
EH C1	Hazardous to the Aquatic Environment – Long Term Hazard Category 1.
EH C2	Hazardous to the Aquatic Environment – Long Term Hazard Category 2.
FL 3	Flammable Liquid, Hazard Category 3.
FS 2	Flammable Solid, Hazard Category 2.
H226	Flammable Liquid and vapour.
H228	Flammable solid
H302	Harmful if swallowed.
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.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
P102	Keep out of reach of children.
P210	Keep away from heat, sparks, open flames and hot surfaces – No smoking.
P233	Keep container tightly closed.

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/P310	IF SWALLOWED: Immediately call a doctor.
P301/P312	IF SWALLOWED: Call a doctor if you feel unwell.
P302/P352	IF ON SKIN: Wash with plenty of soap and water.
P03/P361/P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin well with water/shower.
P305/P351/P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P330	Rinse mouth.
P331	Do not induce vomiting.
P332/P313	If skin irritation occurs: Get medical advice/attention.
P333/P313	If skin irritation or rash occurs: Get medical advice/attention.
P337/P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370/P378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
SCI2	Skin Corrosion/Irritation Category 2.
SS1B	Sensitization – Skin Category 1B.

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.