



24 CHATHAM PLACE, BRIGHTON, BN1 3TN (UK)
TEL. (UK) 0845 310 8066 International Tel. +44 1273 746505
EMAIL: info@nhrorganicoils.com Web Site: www.nhrorganicoils.com

Safety Data Sheet

Organic Frankincense Essential Oil (Boswellia neglecta)

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According to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 2015/830

Printing date 14.12.2016

Revision no. 4

Revision: 14.12.2016

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- **1.1 Product identifier**
- **Trade name:** Frankincense Oil Organic
- **CAS Number:**
8050-07-5
- **EC number:**
232-474-1
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cosmetic Ingredient
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
NHR Organic Oils
24 Chatham Place
Brighton, BN1 3TN
UK
- **For further information or SDS requests please contact:**
NHR Organic Oils
E mail: info@nhrorganicoils.com
- **1.4 Emergency telephone number:**
MULTI LINGUAL EMERGENCY NUMBER (Carechem 24*7)
EUROPE: + 33 (0) 1 44 73 10 02
USA: +1 866 928 0789 (Toll free)
CHINA: + 86 1051003039
INDIA: +65 31581198

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

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GHS07

Skin Irrit. 2 H315 Causes skin irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Frankincense Oil

· **Hazard statements**

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

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

Limited inhalation hazard at normal work temperatures. Splashes in the eyes may cause redness and irritation.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.1 Chemical characterisation: Substances**

· **CAS No. Description**

8050-07-5

· **Identification number(s)**

· **EC number:** 232-474-1

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· Dangerous components:

CAS: 8050-07-5	Frankincense Oil	100%
EINECS: 232-474-1	<ul style="list-style-type: none">  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Aquatic Acute 1, H400; Aquatic Chronic 1, H410  Skin Irrit. 2, H315; Skin Sens. 1, H317 	

· Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· 4.1 Description of first aid measures****· General information:** Seek medical treatment in case of complaints.**· After inhalation:**

Remove victim 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.

· After skin contact:

Remove contaminated clothing.

After contact with the skin, wash immediately with plenty of soap and water.

If skin irritation continues, consult a doctor.

· After eye contact:

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.

· After swallowing:

Call for a doctor immediately.

Immediately rinse out mouth and then drink plenty of water.

Keep the patient under observation.

Do not induce vomiting.

If vomiting occurs keep head low.

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

The severity of the symptoms described will vary depending of the concentration and the length of exposure.

Ingestion : May cause discomfort if swallowed.

Causes skin irritation.

Eye Contact : Irritation and may cause redness and pain.

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

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

Alcohol resistant foam

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Carbon dioxide

Dry Chemical Powder

Dry sand

· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Toxic gases/vapours

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Corrosive gases/vapours/fumes.

· **5.3 Advice for firefighters**

· **Protective equipment:**

In the event of fire and/or explosion do not breathe fumes.

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with eyes, skin, and clothing.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Use inert absorbent material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc.) to soak up leaked product.

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.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Usual safety precautions should be observed to ensure safe handling.

Avoid spillage.

Avoid contact with eyes and skin.

Eye wash facilities and emergency shower must be available when handling this product.

· **Information about fire - and explosion protection:**

Keep away from heat, ignition source, spark and incompatible material.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Store in cool, dry conditions in well sealed receptacles.

· **Information about storage in one common storage facility:**

Store away from strong oxidizing agents.

· **Further information about storage conditions:** Keep container tightly sealed.

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- **Storage class:** Flammable liquid storage.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** Use engineering controls to reduce air contamination.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Ensure adequate ventilation.
Immediately remove all soiled and contaminated clothing.
Do not eat, drink or smoke while working.
Wash hands before breaks and at the end of work.
- *Eyewash and safety shower facilities should be available when handling this product.*
- **Respiratory protection:**
Use suitable respiratory protective device in case of insufficient ventilation.



Use suitable respiratory protective device when vapours/aerosol or mist is formed.

NIOSH or European Standard EN 149 approved respirator

- **Protection of hands:**



Protective gloves.

DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Safety glasses

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· **Body protection:** Protective work clothing· **9.1 Information on basic physical and chemical properties**· **General Information**· **Appearance:**· **Form:** Clear Liquid· **Colour:** Light yellow· **Odour:** Aromatic· **Odour threshold:** Not determined.· **pH-value:** Not determined.· **Change in condition**· **Melting point/freezing point:** Undetermined.· **Initial boiling point and boiling range:** 141 °C (@ 760 mmHg)· **Flash point:** 51 °C (CC)· **Flammability (solid, gas):** Not applicable.· **Ignition temperature:**· **Decomposition temperature:** Undetermined.· **Auto-ignition temperature:** No data available· **Explosive properties:** Product does not present an explosion hazard.· **Explosion limits:**· **Lower:** Not determined.· **Upper:** Not determined.· **Vapour pressure:** Not determined.· **Density:** Not determined.· **Relative density at 20 °C** 0.851-0.892· **Vapour density** Not determined.· **Evaporation rate** Not determined.· **Solubility in / Miscibility with water:**

Insoluble in water.

· **Chloroform:**· **alcohols:** Soluble· **Partition coefficient: n-octanol/water:** 4.52 log POW (est.)· **Viscosity:**· **Dynamic:** Not determined.· **Kinematic:** Not determined.· **9.2 Other information** No further relevant information available.· **Refractive index:** 1.460 - 1.482 @ 20 °C

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions** Hazard Polymerization: will not occur.
- **10.4 Conditions to avoid** Avoid heat and sources of ignition.
- **10.5 Incompatible materials:** Strong oxidizers.
- **10.6 Hazardous decomposition products:**
Fire or high temperatures create:
Toxic gases and vapours
Carbon monoxide
Carbon dioxide
Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

log Pow	4.52 (est.)
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- **12.2 Persistence and degradability** Biodegradable
- **12.3 Bioaccumulative potential** The product contains potentially bioaccumulating substances.
- **12.4 Mobility in soil** The product has poor water solubility.
- **Additional ecological information:**
- **General notes:**
Very toxic to aquatic life with long lasting effects.
Avoid transfer into the environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Dispose of in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA**

UN1169

- **14.2 UN proper shipping name**
- **ADR**

11 69 EXTRACTS, AROMATIC, LIQUID (Frankincense Oil), ENVIRONMENTALLY HAZARDOUS, special provision 640E
EXTRACTS, AROMATIC, LIQUID (Frankincense Oil), MARINE POLLUTANT
EXTRACTS, AROMATIC, LIQUID (Frankincense Oil)

- **14.3 Transport hazard class(es)**

- **ADR, IMDG**



- **Class**

3 Flammable liquids.

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· Label	3
· IATA	
	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Frankincense Oil
· Marine pollutant:	Yes
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1169 EXTRACTS, AROMATIC, LIQUID, SPECIAL PROVISION 640E (FRANKINCENSE OIL), 3, III, ENVIRONMENTALLY HAZARDOUS

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard statements** Please refer section 2.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
E1 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
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.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
· *** Data compared to the previous version altered.**

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