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Safety Data Sheet

Organic Frankincense Essential Oil (*Boswellia neglecta*)

According to 1907/2006/EC, Article 31,
Amended by Regulation (EU) No. 453/2010

Page 1 / 11

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

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

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

Supplier:

NHR Organic Oils, 24 CHATHAM PLACE, BRIGHTON, BN1 3TN, (UK)

Further information obtainable from:

NHR, E mail: info@nhrorganicoils.com

1.4 Emergency telephone number:

+ 33 (0) 1 44 73 10 02 (Carechem 24*7)

For China: + 86 1051003039

For India: +65 31581198

For advice on chemical emergencies, spillages, fires or First Aid

National emergency telephone number :

Czech Republic: *Toxikologické informační středisko (TIS), Klinika nemocí z povolání, Na Bojišti 1, 128 08 Praha 2, Tel – nonstop: + 420 224 919 293, + 420 224 915 402*

France : *Orfila 01.45.42.59.59*

Netherlands: *National vergiftigingen info centrum: 030-2748888*

Denmark *Giftlinien +45 82 12 12 12*

Sverige *+46 08-33 12 31*

Norge *Giftcentralen +47 22 59 13 00*

Schweizerisches *Toxikologisches Informationszentrum Telefon +41 145*

Finland: *Myrkytystietokeskus, puh. 09-471977 tai 09-4711/Myrkytystietokeskus*

Vergiftungsinformationszentrale Wien Telefon +43 1 4064343

Romania: *BIROUL PT REGULAMENTUL SANITAR INTERNATIONAL SI INFORMARE TOXICOLOGICA: +4021 318 36 06*

Serbia - *Nacionalni centar za kontrolu trovanja: + 381 11 266 11 22*

Turkey - *Acil Sağlık Hizmetleri Genel Müdürlüğü: 114*

Hungary - *Health Toxicological Information Service, H-1096 Budapest, Nagyvárad tér 2: +36 80 20 11 99 (free of charge within Hungary)*

Croatia - *Broj telefona službe za izvanredna stanja: 112*

Greece - *THΛ. ΚΕΝΤΡΟΥ ΔΗΛΗΤΗΡΙΑΣΕΩΝ : 210-77.93.777*

SLOVAKIA *Núdzové telefónne číslo: Národné toxikologické informačné centrum, tel. 02/ 5477 4166*

Russia - *Toxicological Information Centre: 8 (495) 621-68-85; 8 (495) 621-68-85*

BULGARIA - *Национален токсикологичен информационен център, Многопрофилна болниц а за активно лечение и спешна медицина "Н.И.Пирогов" Телефон за спешни случаи / факс: +359 2 9154 409, E-mail: poison_centre@mail.orbitel.bg*

UKRAINE - *National Toxicology Center, Clinical Emergency Hospital (toxicology department), 3 Bratislavskaya str., Kyiv, Ukraine. Tel./ Fax: +38 044 527-69-81*

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: **Frankincense Oil Organic**

(Contd. of page 1)

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.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.

Xi; Irritant

R38: Irritating to skin.

Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10: Flammable.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

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

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: **Frankincense Oil Organic**

(Contd. of page 2)

· **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.**P241 Use explosion-proof electrical/ventilating/lighting/equipment.**P261 Avoid breathing dust/fume/gas/mist/vapours/spray.**P280 Wear protective gloves/protective clothing/eye protection/face protection.**P240 Ground/bond container and receiving equipment.**P233 Keep container tightly closed.**P242 Use only non-sparking tools.**P273 Avoid release to the environment.**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.**P362 Take off contaminated clothing.**P363 Wash contaminated clothing before reuse.**P332+P313 If skin irritation occurs: Get medical advice/attention.**P405 Store locked up.**P403+P235 Store in a well-ventilated place. Keep cool.**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 characterization: Substances**· **CAS No. Description**

8050-07-5 Frankincense Oil

(Contd. on page 4)

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Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014









Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 3)

· Dangerous components:

8050-07-5	Frankincense Oil	100%
	<ul style="list-style-type: none">  Xn R65  Xi R38  Xi R43  N R50/53 R10  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 risk 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 immediately 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.

Immediately wash with water and soap and rinse thoroughly.

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 atleast 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.

GB

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 4)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
 - Alcohol resistant foam
 - 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 necessary protective equipment.
 - Ensure adequate ventilation
 - Avoid contact with eyes and skin
- **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.

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, sparks and open flame.
- **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 separated from:

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 5)

- Strong oxidizing agents.
- **Further information about storage conditions:** Keep container tightly sealed.
- **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:**
This is based on data that was valid at the time of writing.
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.
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

(EN 166)

- **Body protection:** Protective work clothing

GB

(Contd. on page 7)

Safety data sheet
 according to 1907/2006/EC, Article 31, amended by
 Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 6)

SECTION 9: Physical and chemical properties

- **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/Melting range:** Undetermined.
 - **Boiling point/Boiling range:** 141 °C (@ 760 mmHg)
- **Flash point:** 51 °C (Closed Cup)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
- **Decomposition temperature:** Undetermined.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** 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

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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, flame and other sources of ignition.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 7)

- **10.5 Incompatible materials:** Strong oxidizers.
- **10.6 Hazardous decomposition products:**
 Fire or high temperatures create:
 Toxic gases/vapours
 Carbon monoxide
 Carbon dioxide
 Nitrogen oxides (NOx)

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

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

- **Primary irritant effect:**
- **on the skin:**
 Irritating to skin
 May cause allergic skin reaction.
- **on the eye:** Irritating effect.
- **ingestion:**
 May be fatal if swallowed and enters airways.
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
- **inhalation:**
 Vapour from this chemical can be hazardous when inhaled.
 Irritating to respiratory system.
 Coughing
 Difficulty in Breathing
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
 The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
 Irritant

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:**
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Avoid transfer into the environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 9)

Safety data sheet
 according to 1907/2006/EC, Article 31, amended by
 Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic




(Contd. of page 8)

- **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

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA | UN1169 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA | 1169 EXTRACTS, AROMATIC, LIQUID,
ENVIRONMENTALLY HAZARDOUS, special
provision 640E
EXTRACTS, AROMATIC, LIQUID (Frankincense
Oil), MARINE POLLUTANT
EXTRACTS, AROMATIC, LIQUID |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG | <div style="display: flex; align-items: center; gap: 10px;">   </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids.
3 |
| <ul style="list-style-type: none"> · IATA | <div style="display: flex; align-items: center; gap: 10px;">  </div> |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids.
3 |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | III |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): | Product contains environmentally hazardous
substances: Frankincense Oil
Yes
Symbol (fish and tree)
Symbol (fish and tree) |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: | Warning: Flammable liquids.
30
F-E,S-D |

(Contd. on page 10)

GB

Safety data sheet
according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010

Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 9)

- | | |
|---|---|
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Limited quantities (LQ) | 5L |
| · Transport category | 3 |
| · Tunnel restriction code | D/E |
| · UN "Model Regulation": | UN1169, EXTRACTS, AROMATIC, LIQUID, special provision 640E, ENVIRONMENTALLY HAZARDOUS, 3, III |

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.
- **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.
- **R10** Flammable.
- **R38** Irritating to skin.
- **R43** May cause sensitisation by skin contact.
- **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **R65** Harmful: may cause lung damage if swallowed.
- **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 Organization
 - 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 Harmonized System of Classification and Labelling of Chemicals

(Contd. on page 11)

GB

Safety data sheet
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Printing date 19.02.2014

Revision no. 3

Revision: 19.02.2014

Trade name: Frankincense Oil Organic

(Contd. of page 10)

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
· *** Data compared to the previous version altered.**

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