

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

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

#### 1.1 Product identifier

Commercial Product Name : CLOVE CLAW OIL  
Material numebr : 101003  
REAH Registration Number : 01-2119971802-33-0003  
CAS-No. : 84961-50-2, 97-53-0, 8000-34-8  
EC-No. : 284-638-7

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

Use of the Substance/Mixture : Fragrance

#### 1.3 Details of the supplier of the safety data sheet

Company

Telephone

Telefax

E-mail address

For further information please contact:

#### 1.4 Emergency telephone number

+

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2  
Skin sensitisation, Category 1

H319  
H317

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

Signal word	:	Warning	
Hazard statements	:	H317 H319	May cause an allergic skin reaction. Causes serious eye irritation.
Precautionary statements	:	<b>Prevention:</b> P264 P280  <b>Response:</b> P302 + P352 P305 + P351 + P338  P333 + P313  P337 + P313	Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.  IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.
Contains	:	CARYOPHYLLENE, EUGENOL.	

### 2.3 Other hazards

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical characterization	:	Clove, ext.
CAS-No.	:	84961-50-2, 97-53-0, 8000-34-8
EINECS-No. / ELINCS No.	:	284-638-7
REAH Registration Number	:	01-2119971802-33-0003

### 3.2 Mixtures

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Eugenol	97-53-0 202-589-1	Eye Irrit.: 2; H319 Skin Sens.: 1B; H317	>= 50 - <= 100
Caryophyllene	87-44-5 201-746-1	Asp. Tox.: 1; H304 Skin Sens.: 1B; H317	>=5-<10
[1R-(1R*,4R*,6R*,10S*)]-4,12,12-Trimethyl-9-methylene-5-oxatricyclo[8.2.0.0.4,6]dodecane	1139-30-6 214-519-7	Aquatic Chronic: 2; H411	>=0,1-<1
4-Allylveratrole	93-15-2 202-223-0	Muta.: 2; H341 Carc.: 2; H351 Acute Tox.: 4 (Oral); H302	>=0,1-<1

For the full text of the H-Statements mentioned in this Section, see Section 16.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

Short-term (acute) aquatic  
Hazard:

<sup>2)</sup> 0,01 < L(E)C50 ≤ 0,1 mg/l

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.  
If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.
- Eye contact : Protect unharmed eye.  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Remove contact lenses.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Prevent vomiting if possible.  
If a person vomits when lying on his back, place him in the recovery position.  
Never give anything by mouth to an unconscious person.

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

No data available

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

No data available

---

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall not be used for safety reasons : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

#### 5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus. for firefighters

- Further information : In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.

#### 6.2 Environmental precautions

Environmental precautions : Not special environment precautions required.

#### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Dam up.  
Wipe up with absorbent material (e.g. cloth, fleece).

Additional advice : Local authorities should be advised if significant spillages cannot be contained.  
Suppress (knock down) gases/vapours/mists with a water spray jet.

#### 6.4 Reference to other sections

For personal protection see section 8.

---

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.

Advice on protection against fire and explosion : When using do not smoke.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
To maintain product quality, do not store in heat or direct sunlight.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

#### 7.3 Specific end use(s)

Fragrance

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

none

#### 8.2 Exposure controls

##### Engineering measures

none

##### Personal protective equipment

- |                          |   |
|--------------------------|---|
| Respiratory protection   | : No personal respiratory protective equipment normally required.   |
| Hand protection          | : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.              |
| Eye protection           | : Safety glasses  |
| Skin and body protection | : Lightweight protective clothing<br>Remove and wash contaminated clothing before re-use.                             |
| Hygiene measures         | : Avoid contact with skin, eyes and clothing.<br>Wash hands before breaks and immediately after handling the product. |
| Protective measures      | : When using, do not eat, drink or smoke.   |

---

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

##### Appearance

- |                 |                         |
|-----------------|-------------------------|
| Form            | : clear liquid          |
| Colour          | : light yellow to brown |
| Odour           | : characteristic        |
| Odour Threshold | : No data available     |

##### Safety data

- |                         |   |
|-------------------------|---|
| Flash point             | : > 100 °C  |
| Water solubility        | : immiscible  |
| Relative density        | : 1,0304 - 1,0503 at<br>20 °C relation to density of water at 4°C |
| Bulk density            | :   |
| Relative vapour density | : not determined  |

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

Vapour pressure	: < 1 kPa at 50 °C calculated
Melting point/freezing point	: Melting point/range < -20 °C
Boiling point:	: 255,5 °C Method: OECD Test Guideline 103 GLP: no
Partition coefficient: n-octanol/water	: log Pow: not determined
pH	: Not applicable
Evaporation rate	: Lower than the evaporation rate of butyl acetate = 1
Flammability (solid, gas)	: Not applicable
Auto-ignition temperature	: The substance or mixture is not classified as self heating.
Decomposition temperature	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Explosive properties	: Due to its structural properties, the product is not classified as explosive
Lower explosion limit	: Vapours may form explosive mixtures with air.
Upper explosion limit	: Vapours may form explosive mixtures with air.

A final assessment of potential explosion hazards can only be made on a case-by-case basis when precise information is available on product handling, production setup and the circumstances surrounding the use of the product.

### 9.2 Other data

None.

---

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	: No data available
<b>10.2 Chemical stability</b>	: No data available
<b>10.3 Possibility of hazardous reactions</b>	: No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid</b>	: No data available
<b>10.5 Incompatible materials to avoid</b>	: No data available
<b>10.6 Hazardous decomposition products</b>	: No data available

---

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute oral toxicity	: No data available
Acute inhalation toxicity	: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

Acute dermal toxicity	: No data available
Repeated dose toxicity	: No data available
Acute toxicity (other routes of administration)	: No data available
Skin irritation	: No data available
Eye irritation	: No data available
Sensitisation	: No data available
Mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Specific target organ toxicity - single exposure	: No data available
Specific target organ toxicity - repeated exposure	: No data available
Aspiration toxicity	: No data available

---

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

None known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product	: Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number:

Not classified as dangerous in the meaning of transport regulations.

#### 14.2 Proper shipping name

Not classified as dangerous in the meaning of transport regulations.

#### 14.3 Transport hazard class

Not classified as dangerous in the meaning of transport regulations.

#### 14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

#### 14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

#### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not classified as dangerous in the meaning of transport regulations.

---

### SECTION 15: REGULATORY INFORMATION

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

##### National legislation

Risk classification according to BetrSichV (Germany) : Exempt

Water contaminating class (Germany) : WGK 2 (Obviously hazardous to water) 2.905

#### 15.2 Chemical safety assessment

No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## CLOVE CLAW OIL BIO

Version 5

Revision Date 15.08.2020

Print Date 18.02.2021

### SECTION 16: OTHER INFORMATION

#### Full text of H-Statements referred to under sections 2 and 3.:

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Any data changes with reference to previous versions are marked by a vertical line in front of the concerned paragraph.