

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Myrrh CO2-se extract\_037.001

Print date: 11.02.2015

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

#### 1.1. Product identifier

Myrrh CO2-se extract\_037.001

##### Further trade names

Myrrhe CO2-se Extrakt, Typ Nr. 037.001

Myrrh CO2-se extract, type no. 037.001

Myrrhe extrait CO2-se, référence 037.001

CAS No: 84929-26-0

EC No: 284-510-0

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

##### Use of the substance/mixture

in pharmaceutic and cosmetic products

Industry category(ies): Chemicals for personal and household use.

Category of use(s): Cosmetics. Pharmaceuticals.

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

Company name: Flavex Natureextrakte GmbH

Street: Nordstr. 7

Place: D-66780 Rehlingen-Siersburg

Telephone: +49 (0)6835/9195-0

Telefax: +49 (0)6835/919595

e-mail: info@flavex.com

Contact person: Mr. N. Gref

Internet: www.flavex.com

Responsible Department: Poison information center Freiburg

#### 1.4. Emergency telephone number: +49 (0)761/19240

### SECTION 2: Hazards identification

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

Commiphora myrrha, ext.

Signal word: Danger

Pictograms: GHS07-GHS08



##### Hazard statements

- |      |  |
|------|--|
| H304 | May be fatal if swallowed and enters airways.      |
| H302 | Harmful if swallowed.                              |
| H319 | Causes serious eye irritation.                     |
| H315 | Causes skin irritation.                            |
| H317 | May cause an allergic skin reaction.               |
| H412 | Harmful to aquatic life with long lasting effects. |

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### Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

Special skid risk by leaking/spilling product.

Contains < 1 ppm methyl eugenole [CAS no. 93-15-2]  
May cause allergic reactions.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

#### Chemical characterization

INCI-name (CTFA): Commiphora Myrrha (Myrrh) Resin Extract; CAS-no. 84929-26-0 EC-no.  
(EINECS/ELINCS): 284-510-0

essential oil content: 70 - 90 % with > 10 % Curzerene, > 20 % Isolindestrene, Curzerenone

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
284-510-0	Commiphora myrrha, ext.	100 %
84929-26-0		

Full text of R and H phrases: see Section 16.

#### Further Information

no solvent residues

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Seek medical attention if problems persist.

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with: Water and soap.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

#### After ingestion

Rinse mouth immediately and drink large quantities of water. Consult physician.

### 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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

foam, CO2, powder

##### **Unsuitable extinguishing media**

water stream

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

formation of dangerous fumes possible

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

none

### SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

Wear personal protection equipment.

Provide adequate ventilation.

Wear respiratory protection when in the presence of vapour, dust, and aerosols.

#### 6.2. Environmental precautions

keep away from canalisation, waterway, groundwater

#### 6.3. Methods and material for containment and cleaning up

suck up with oil binding media. Remove mechanically, placing in appropriate containers for disposal.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.

wear splash goggles and oilresistent gloves

Do not breathe gas/fumes/vapour/spray.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

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

##### **Requirements for storage rooms and vessels**

no special measures necessary

##### **Further information on storage conditions**

keep dark and dry, avoid heat

store in tightly closed container

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### **Protective and hygiene measures**

remove contaminated clothes

##### **Eye/face protection**

wear splash goggles

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### Hand protection

wear oilresistant gloves When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. German Industry Norms (DIN) / European Norms (EN): EN 374

### Skin protection

wear clothing as usual in chemical industry remove contaminated clothes. After contact with skin, wash immediately with: Water and soap.

### Respiratory protection

do not breathe vapour / aerosol Respiratory protection required in case of: aerosol or mist generation. Filter respirator with filter or ventilator type: A

## SECTION 9: Physical and chemical properties

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

Physical state: liquid oil, viscous  
Colour: yellow - brown  
Odour: characteristic

#### Test method

pH-Value: no data available

#### Changes in the physical state

Melting point: no data available  
Initial boiling point and boiling range: no data available  
Sublimation point: no data available  
Softening point: no data available  
Pour point: no data available  
:  
Flash point: > 65 °C closed cup

#### Flammability

Solid: no data available  
Gas: no data available

#### Explosive properties

no data available

Lower explosion limits: no data available  
Upper explosion limits: no data available  
Ignition temperature: no data available

#### Auto-ignition temperature

Solid: no data available  
Gas: no data available

Decomposition temperature: no data available

#### Oxidizing properties

no data available

Vapour pressure: no data available

Density (at 20 °C): 1,025 - 1,075 g/cm<sup>3</sup> pycnometer

Bulk density: no data available

Water solubility: insoluble

#### Solubility in other solvents

good soluble in fat phases

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Partition coefficient:	no data available
Viscosity / dynamic:	no data available
Viscosity / kinematic:	no data available
Flow time:	no data available
Vapour density:	no data available
Evaporation rate:	no data available
Solvent separation test:	no data available
Solvent content:	no solvent residues

### 9.2. Other information

Solid content: no data available

no data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

no data available

### 10.2. Chemical stability

no data available

### 10.3. Possibility of hazardous reactions

no data available

### 10.4. Conditions to avoid

heat, open flame, sun light

### 10.5. Incompatible materials

Oxidizing agents.

### 10.6. Hazardous decomposition products

none - when carefully used

### **Further information**

no decomposition in the application field

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Toxicokinetics, metabolism and distribution**

According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

#### **Acute toxicity**

no data available

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
84929-26-0	Commiphora myrrha, ext.	oral	LD50	1650 mg/kg	Rat.	

#### **Irritation and corrosivity**

no data available

#### **Sensitising effects**

no data available

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### STOT-single exposure

no data available

### Severe effects after repeated or prolonged exposure

no data available

### Carcinogenic/mutagenic/toxic effects for reproduction

no data available

### Aspiration hazard

Harmful: may cause lung damage if swallowed.

### Practical experience

#### Observations relevant to classification

Irritating to eyes, respiratory system and skin

#### Further information

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms.

Under appropriate use there are no ecological problems to expect

### 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

no data available

### 12.6. Other adverse effects

no data available

#### Further information

no heavy metals and inorganic components

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

in accordance with valid regulations

#### Waste disposal number of waste from residues/unused products

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances  
Classified as hazardous waste.

#### Contaminated packaging

in accordance with valid regulations

## SECTION 14: Transport information

### Land transport (ADR/RID)

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### Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

#### Other applicable information (inland waterways transport)

No dangerous good in sense of this transport regulation.

### Marine transport (IMDG)

#### Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

### Air transport (ICAO)

#### Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

no data available

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

no data available

### Other applicable information

no dangerous good in the sense of the transport regulations

## SECTION 15: Regulatory information

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

#### National regulatory information

Employment restrictions: Observe employment restrictions for young people.  
Water contaminating class (D): 1 - slightly water contaminating

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

## SECTION 16: Other information

### Changes

Reason for revision: general revision of whole document

### Full text of R phrases referred to under Sections 2 and 3

36/37/38 Irritating to eyes, respiratory system and skin.

### 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.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.