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 pharmaceutical 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 Naturextrakte 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.
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

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No</td>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Index No</td>
<td>GHS classification</td>
<td></td>
</tr>
<tr>
<td>REACH No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>284-510-0</td>
<td>Commiphora myrrha, ext.</td>
<td>100 %</td>
</tr>
<tr>
<td>84929-26-0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
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 oilresistant 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
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/cm³ pycnometer
Bulk density: no data available
Water solubility: unsoluble
Solubility in other solvents
good soluble in fat phases
9.2. Other information

Solid content: 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

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

Acute toxicity
no data available

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure routes</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>84929-26-0</td>
<td>Commiphora myrrha, ext.</td>
<td>oral</td>
<td>LD50</td>
<td>1650 mg/kg</td>
<td>Rat.</td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
no data available

Sensitising effects
no data available
**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)**
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.