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

1.1. Product identifier
Lemon Myrtle CO2-se extract_209.004

Further trade names
- Zitronenmyrte CO2-se Extrakt, (ölkol.), Typ Nr. 209.004
- Lemon Myrtle CO2-se extract, (organic), type no. 209.004
- Myrte citronnée extrait CO2-se, (bio), référence 209.004

CAS No: 84775-80-4
EC No: 283-909-7

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

Use of the substance/mixture
- In food industry and perfumery
- Industry category(ies): Chemicals for personal and household use.
- Category of use(s): Cosmetics.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Xn - Harmful, Xi - Irritant
R phrases:
- Irritating to skin.
- May cause sensitisation by skin contact.
- Harmful: may cause lung damage if swallowed.

GHS classification
- Skin corrosion/irritation: Skin Irrit. 2
- Respiratory/skin sensitization: Skin Sens. 1
- Aspiration hazard: Asp. Tox. 1
- Hazard Statements:
  - Causes skin irritation.
  - May cause an allergic skin reaction.
  - May be fatal if swallowed and enters airways.

2.2. Label elements

Hazardous components which must be listed on the label
- Backhousia citriodora, ext.

Signal word: Danger
Pictograms:

GHS07-GHS08

Hazard statements

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of water.

Additional advice on labelling

The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

2.3. Other hazards

Special skid risk by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

INCI-name (CTFA): Backhousia Citriodora (Lemon Myrtle) Leaf Extract, CAS-no. 84775-80-4, EC-no. (EINECS/ELINCS): 283-909-7

essential oil content: 85 - 95 %

Hazardous components

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Backhousia citriodora, ext.</td>
<td>100 %</td>
</tr>
<tr>
<td>84775-80-4</td>
<td>Xn - Harmful, Xi - Irritant R38-43-65</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1; H315 H317 H304</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.
Consult an ophthalmologist.

After ingestion
Rinse mouth immediately and drink large quantities of water. Consult physician.
Do not induce vomiting.

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.

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
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
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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>liquid oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>yellow</td>
</tr>
<tr>
<td>Odour:</td>
<td>citrus like</td>
</tr>
</tbody>
</table>

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 Ethanol.
Upper explosion limits: no data available Ethanol.
Ignition temperature: no data available

Auto-ignition temperature
### Solid:  
- Decomposition temperature: no data available

### Gas:  
- no data available

### Oxidizing properties  
- no data available

### Vapour pressure:  
- no data available

### Density (at 20 °C):  
- 0.88 - 0.91 g/cm³ pycnometer

### Bulk density:  
- no data available

### Water solubility:  
- unsoluble

### Solubility in other solvents  
- good soluble in fat phases

### 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 solvent residues

### Solvent 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  
#### Toxicokinetics, metabolism and distribution  
According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.
Lemon Myrtle CO2-se extract_209.004

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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Acute toxicity
no data available

Irritation and corrosivity
no data available

Sensitising effects
no data available

Severe effects after repeated or prolonged exposure
no data available

Carcinogenic/mutagenic/toxic effects for reproduction
no data available

Specific effects in experiment on an animal
no data available

Additional information on tests
Irritating to eyes, respiratory system and skin
may cause sensitization by skin contact
skin allergy (seldom)

Practical experience

Observations relevant to classification
Irritates skin and eyes

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
No data for ecological evaluation on hand
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.

14.6. 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. Observe employment restrictions for child bearing mothers and nursing.
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
This data sheet contains changes from the previous version in section(s): 4, 7, 10, 14

Full text of R phrases referred to under Sections 2 and 3
38 Irritating to skin.
43 May cause sensitisation by skin contact.
65 Harmful: may cause lung damage if swallowed.

Full text of H statements referred to under Sections 2 and 3
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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 singulary responsible for adhering to existing laws and regulations.