

Safety Data Sheet

according to UK REACH Regulation

Kräuter-Duftölkonzentrat Lemongras Art.-Nr. 6448, 6418

Revision date: 29.06.2023

Product code: F1000417

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Kräuter-Duftölkonzentrat Lemongras Art.-Nr. 6448, 6418

UFI: 67RW-FDCK-GJ62-AG28

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

For sauna and evaporator shells, wherever water is brought to boiling in a container. Dropwise add to the evaporator shell, about 2-5 ml per liter of water.

Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Company name: Finnsa GmbH
Street: Marburger Str. 35
Place: D-36304 Alsfeld
Post-office box: 1261
D-36292 Alsfeld
Telephone: 06631-96880
e-mail: info@finnsa.de
Contact person: Uwe Helm
Internet: finnsa.de
Responsible Department: Verkauf

Telefax: 06631-9688-96

1.4. Emergency telephone number:

06131 19240 Giftinformationszentrum (GIZ) der Länder Rheinland-Pfalz und Hessen

Further Information

Forms of packaging Bottles: 15 ml, 100 ml, 250 ml, 500 ml, 1000 ml, Canister: 5 liters, 10 liters, 25 liters.

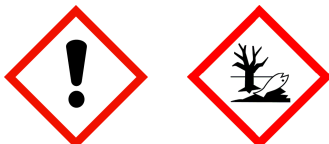
SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Skin Irrit. 2; H315
Skin Sens. 1; H317
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

citral
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol
alpha-Pinen
dipentene; limonene
linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool
Isoeugenol

Signal word: Warning**Pictograms:**

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Hazard statements

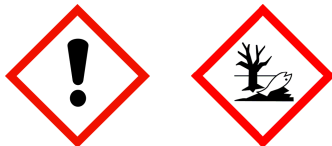
- H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P501 Dispose of contents/container to an appropriate recycling or disposal facility.
P261 Avoid breathing smoke.
P102 Keep out of reach of children.
P101 If medical advice is needed, have product container or label at hand.
P273 Avoid release to the environment.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Special labelling of certain mixtures

- EUH208 Contains citral, geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol, alpha-Pinen, dipentene; limonene. May produce an allergic reaction.

Labelling of packages where the contents do not exceed 125 ml**Signal word:** Warning**Pictograms:****Hazard statements**

H317

Precautionary statements

P501-P261-P302+P352-P333+P313

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
5392-40-5	citral			50-100 %
	226-394-6	605-019-00-3		
	Skin Irrit. 2, Skin Sens. 1; H315 H317			
106-24-1	geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol			5 - < 10 %
	203-377-1	603-241-00-5		
	Skin Sens. 1; H317			
7785-26-4	alpha-Pinen			1 - < 5 %
	232-077-3			
	Flam. Liq. 3, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H317 H304 H400 H410			
138-86-3	dipentene; limonene			1 - < 5 %
	205-341-0	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410			
78-70-6	linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool			1 - < 5 %
	201-134-4	603-235-00-2		
	Skin Sens. 1B; H317			
79-92-5	Camphen			1 - < 5 %
	201-234-8			
	Flam. Sol. 1, Eye Irrit. 2, Aquatic Chronic 1; H228 H319 H410			
123-35-3	7-Methyl-3-methylenocta-1,6-dien			1 - < 5 %
	204-622-5			
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H304 H412			
97-54-1	Isoeugenol			< 1 %
	202-590-7			
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H312 H302 H315 H319 H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
5392-40-5	226-394-6	citral	50-100 %
		dermal: LD50 = 2250 mg/kg; oral: LD50 = >5000 mg/kg	
97-54-1	202-590-7	Isoeugenol	< 1 %
		dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

If victim is at risk of losing consciousness, position and transport on their side.

After inhalation

Provide fresh air. Seek medical attention if problems persist.

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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. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Seek medical attention if problems persist.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), Dry extinguishing powder, Foam.**Unsuitable extinguishing media**

Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

No special measures are necessary.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Do not rinse down with water.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Provide adequate ventilation.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

No special precautionary measures are necessary.

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Further information on storage conditions

Protect against: heat.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

Does not contain substances above concentration limits fixing an occupational exposure limit.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Before using check leak tightness / impermeability. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Work in well-ventilated zones or use proper respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid:	
Colour:	yellow	
Odour:	characteristic	
Boiling point or initial boiling point and boiling range:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		77 °C
Auto-ignition temperature:		not determined
pH-Value (at 20 °C):		5-6
Water solubility:		not miscible
Vapour pressure:		not determined
Vapour pressure:		not determined
Density:		0,89 g/cm ³
Relative density:		not determined

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: No data available

Other safety characteristics

Sublimation point: not determined
Flow time: not determined

SECTION 10: Stability and reactivity

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10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No known hazardous decomposition products.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

Further information

No risks worthy of mention.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

Irritant effect on the skin: irritant.

Irritant effect on the eye: non-irritant.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
5392-40-5	citral				
	oral	LD50 mg/kg	>5000		
	dermal	LD50 mg/kg	2250		
97-54-1	Isoeugenol				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		

Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Contains citral, geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol, alpha-Pinen, dipentene; limonene. May produce an allergic reaction. May cause an allergic skin reaction. (citral; geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol; alpha-Pinen; dipentene; limonene; linalool; 3,7-dimethyl-1,6-octadien-3-ol; dl-linalool; Isoeugenol)

Skin contact sensitising

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

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Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The evaluation was carried out according to the calculation method of the Preparations Directive.

irritant.

- Mutagen
none
- Carcinogenicity
none
- Teratogen
none
- Phototoxicity
none

SECTION 12: Ecological information**12.1. Toxicity**

Remark: Toxic to fish.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
not applicable

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

- 2 hazardous to water (WGK 2)
- Do not allow to enter into surface water or drains.
- Toxic to aquatic organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

Contaminated packaging

Dispose of waste according to applicable legislation.
Cleaning agent. Water (with cleaning agent).

SECTION 14: Transport information**Land transport (ADR/RID)**

- | | |
|---|--|
| <u>14.1. UN number or ID number:</u> | UN 3082 |
| <u>14.2. UN proper shipping name:</u> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(DIPENTEN, alpha-PINEN) |
| <u>14.3. Transport hazard class(es):</u> | 9 |

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14.4. Packing group: III
 Hazard label: 9
 Classification code: M6
 Special Provisions: 274 601
 Limited quantity: LQ7
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 90
 Tunnel restriction code: D/E

Other applicable information (land transport)

Special provisions: 274 335 601
 E1
 Transport category: 3
 Tunnel restriction code: E

Marine transport (IMDG)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (DIPENTENE, alpha-PINENE)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9
 Marine pollutant: •
 Special Provisions: 223, 274, 955
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-A, S-F

Other applicable information (marine transport)

Special provisions: 274, 909, 944

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
 (DIPENTENE, alpha-PINENE)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
 Hazard label: 9
 Special Provisions: A3
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y344
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 914
 IATA-max. quantity - Passenger: 450 L
 IATA-packing instructions - Cargo: 914
 IATA-max. quantity - Cargo: 450 L

Other applicable information (air transport)

E1
 Y914
 450 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes

14.6. Special precautions for user

Flammable liquids

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC): 15,13 g/l

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

Additional information

Zoll-Tarif-Nr. 33074900

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains citral, geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol, alpha-Pinen, dipentene; limonene. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)