# GINGER OIL CHINA

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 8/22/2014 Revision date: 5/17/2021 Supersedes version of: 1/25/2018 Version: 1.3

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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Substance |
| Substance name | : | GINGER OIL CHINA |
| EC-No. | : | 283-634-2 |
| CAS-No. | : | 84696-15-1 |
| Product code | : | GINHE01 |
| Synonyms | : | No CAS USA: 8007-08-7 |
| Product group | : | Essential oil |

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

#### 1.2.1. Relevant identified uses

| | | |
|---|---|---|
| Main use category | : | Industrial use |
| Industrial/Professional use spec | : | Industrial<br>For professional use only |

#### 1.2.2. Uses advised against

No additional information available

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

EXAFLOR
5 rue des Pyrénées
P.O. Box CP 30561
94653 Rungis Cedex - France
T +33 (0)1 41 73 23 10
exaflor@orange.fr - www.exaflor.co

### 1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| | ORFILA (FRANCE) | | +33 1 45 42 59 59 | |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Skin sensitisation, Category 1 | H317 |
| Aspiration hazard, Category 1 | H304 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 2 | H411 |

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

**Adverse physicochemical, human health and environmental effects**

No additional information available

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :

GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : 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.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing fume, gas, vapours, dust.
P264 - Wash hands thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P302+P352 - IF ON SKIN: Wash with plenty of with water & soap.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see Read label before use. on this label).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : GINGER OIL CHINA
CAS-No. : 84696-15-1
EC-No. : 283-634-2

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| CAMPHENE | CAS-No.: 79-92-5<br>EC-No.: 201-234-8 | 5 – 10 | Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| ALPHA-PHELLANDRENE | CAS-No.: 99-83-2<br>EC-No.: 202-792-5 | 5 – 10 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304 |
| BETA FARNESENE | CAS-No.: 18794-84-8<br>EC-No.: 242-582-0 | 3 – 8 | Skin Irrit. 2, H315<br>Asp. Tox. 1, H304 |
| BETA-PHELLANDRENE | CAS-No.: 555-10-2<br>EC-No.: 209-081-9 | 4 – 8 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304 |
| CITRAL | CAS-No.: 5392-40-5<br>EC-No.: 226-394-6 | 1 – 5 | Skin Irrit. 2, H315<br>Skin Sens. 1, H317 |
| EUCALYPTOL | CAS-No.: 470-82-6<br>EC-No.: 207-431-5 | 1 – 5 | Flam. Liq. 3, H226 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| ALPHA-PINENES | CAS-No.: 80-56-8<br>EC-No.: 201-291-9 | 1 – 5 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| D-LIMONENE | CAS-No.: 5989-27-5<br>EC-No.: 227-813-5<br>EC Index-No.: 601-029-00-7 | 0 – 2.5 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |
| BETA-PINENES | CAS-No.: 127-91-3<br>EC-No.: 204-872-5 | 0 – 2.5 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304 |
| LINALOOL | CAS-No.: 78-70-6<br>EC-No.: 201-134-4 | 0 – 1 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |
| BORNEOL | CAS-No.: 507-70-0<br>EC-No.: 208-080-0 | ≤ 1 | Skin Sens. 1, H317 |
| GERANIOL | CAS-No.: 106-24-1<br>EC-No.: 203-377-1 | 0 – 0.8 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317 |
| CITRONELLOL | CAS-No.: 106-22-9<br>EC-No.: 203-375-0 | ≤ 0.5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of water/... Wash contaminated clothing before reuse. If skin irritation occurs: Rinse skin with water/shower. Get medical advice/attention. Specific treatment (see Refer to instruction manual/booklet on this label). If skin irritation or rash occurs: Rinse skin with water/shower.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult an eye specialist. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation : May cause an allergic skin reaction.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

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

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing smokes, vapours.
Hygiene measures : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat sources. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Maximum storage period : 3 year Shelf life to guarantee the quality and properties of the product; After this period, it is recommended to control organoleptic and physicochemical properties before using the raw material.

Storage temperature : 10 – 25 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**
Avoid all unnecessary exposure.

#### 8.2.2.1. Eye and face protection

**Eye protection:**
Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Wear protective gloves.

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
[In case of inadequate ventilation] wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | light yellow. |
| Appearance | : | Liquid mobile. Clear. |

| | | |
|---|---|---|
| Odour | : | characteristic. spicy. |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Non flammable. |
| Explosive limits | : | Not available |
| Lower explosive limit (LEL) | : | Not available |
| Upper explosive limit (UEL) | : | Not available |
| Flash point | : | 65 °C |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | Not available |
| Solubility | : | Insoluble in water. Soluble in. alcohol. |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50 °C | : | Not available |
| Density | : | Not available |
| Relative density | : | 0.87 – 0.885 |
| Relative vapour density at 20 °C | : | Not available |
| Particle size | : | Not applicable |
| Particle size distribution | : | Not applicable |
| Particle shape | : | Not applicable |
| Particle aspect ratio | : | Not applicable |
| Particle aggregation state | : | Not applicable |
| Particle agglomeration state | : | Not applicable |
| Particle specific surface area | : | Not applicable |
| Particle dustiness | : | Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

| | | |
|---|---|---|
| Refractive index | : | 1.48 – 1.5 |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| GINGER OIL CHINA (84696-15-1) | |
|---|---|
| LD50 oral rat | ≥ 5000 mg/kg |
| LD50 dermal rabbit | ≥ 5000 mg/kg |

| ALPHA-PHELLANDRENE (99-83-2) | |
|---|---|
| LD50 oral rat | 5700 mg/kg |

| CAMPHENE (79-92-5) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2500 mg/kg |

| ALPHA-PINENES (80-56-8) | |
|---|---|
| LD50 oral rat | 3700 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| CITRAL (5392-40-5) | |
|---|---|
| LD50 oral rat | 4960 mg/kg |
| LD50 oral | 6000 mg/kg LD50 oral mouse |
| LD50 dermal rabbit | 2550 mg/kg |

| D-LIMONENE (5989-27-5) | |
|---|---|
| LD50 oral rat | 4400 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| BORNEOL (507-70-0) | |
|---|---|
| LD50 oral rat | 5800 mg/kg [French Demande Patent Document. Vol. #2448856] |
| LD50 oral | 1059 mg/kg LD50 oral mouse [Shika Gakuho. Journal of Dentistry. Vol. 75, Pg. 934, 1975] |
| LD50, mammalian, acute, oral, rabbit, systemic | = 2000 mg/kg ([Reviews of Environmental Contamination and Toxicology. Vol. 113, Pg. 47, 1990]) |

| LINALOOL (78-70-6) | |
|---|---|
| LD50 oral rat | 2790 mg/kg |
| LD50 oral | 3120 mg/kg LD50 oral mouse |
| LD50 dermal rabbit | 5610 mg/kg |

| GERANIOL (106-24-1) | |
|---|---|
| LD50 oral rat | 3600 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| CITRONELLOL (106-22-9) | |
|---|---|
| LD50 oral rat | 3450 mg/kg |
| LD50 dermal rabbit | 2650 mg/kg |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met

| D-LIMONENE (5989-27-5) | |
|---|---|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-single exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met
Aspiration hazard : May be fatal if swallowed and enters airways.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| CAMPHENE (79-92-5) | |
|---|---|
| LC50 - Fish [1] | 0.72 mg/l |
| EC50 - Crustacea [1] | 22 mg/l |
| EC50 - Other aquatic organisms [1] | 1000 |

| ALPHA-PINENES (80-56-8) | |
|---|---|
| LC50 - Fish [1] | 0.28 mg/l Pimephales promela (fathead minnow) - 96h |
| LC50 - Other aquatic organisms [1] | 41 mg/l EC50 48h - Daphnia magna [mg/l] |

| D-LIMONENE (5989-27-5) | |
|---|---|
| LC50 - Fish [1] | 0.702 mg/l Pimephales promela (fathead minnow) -96h |
| EC50 - Crustacea [1] | 69.6 daphnia - 48h |

| LINALOOL (78-70-6) | |
|---|---|
| LC50 - Fish [1] | 27.8 mg/l EC 50 (fish : rainbow trout) : - 96h |
| LC50 - Other aquatic organisms [1] | 88.3 mg/l Desmodesmus subspicatus (green algae) - 96h |
| EC50 - Crustacea [1] | 59 mg/l EC50 48h - Daphnia magna [mg/l] |
| NOEC chronic fish | 3.5 mg/l Oncorhynchus mykiss (Rainbow trout)- 96h |
| NOEC chronic crustacea | 25 mg/l daphnia - 48h |

| GERANIOL (106-24-1) | |
|---|---|
| LC50 - Fish [1] | env. 22 mg/l Brachydanio rerio (zebra-fish) - 96h |
| EC50 - Crustacea [1] | 10.8 mg/l EC50 48h - Daphnia magna [mg/l] |
| EC50 - Other aquatic organisms [1] | 13.1 mg/l Desmodesmus subspicatus (green algae) -72h |

| CITRONELLOL (106-22-9) | |
|---|---|
| LC50 - Fish [1] | 10 – 22 mg/l Leuciscus idus (Ide; golden orfe) - 96h |
| EC50 - Crustacea [1] | 17 mg/l daphnia - 48h |
| EC50 - Other aquatic organisms [1] | 2.4 mg/l algae - 72h |

## 12.2. Persistence and degradability

| GINGER OIL CHINA (84696-15-1) | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| CAMPHENE (79-92-5) | |
|---|---|
| Biodegradation | 4 % aerobic - No readily biodegradable |

| BETA-PHELLANDRENE (555-10-2) | |
|---|---|
| Persistence and degradability | Not established. |

| ALPHA-PINENES (80-56-8) | |
|---|---|
| Persistence and degradability | Readily biodegradable. May cause long-term adverse effects in the environment. |

| CITRAL (5392-40-5) | |
|---|---|
| Persistence and degradability | Not established. |

| BETA-PINENES (127-91-3) | |
|---|---|
| Persistence and degradability | Not established. |

| D-LIMONENE (5989-27-5) | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| BORNEOL (507-70-0) | |
|---|---|
| Persistence and degradability | Not established. |

| LINALOOL (78-70-6) | |
|---|---|
| Persistence and degradability | Readily biodegradable. Not established. |
| Biodegradation | 100 % 13 DAYS- ZAHN-WELLENS TEST OECD N° 302 B |

| GERANIOL (106-24-1) | |
|---|---|
| Persistence and degradability | Readily biodegradable. Not established. |
| Biodegradation | 80 – 100 % aérobic, Exposure duration 3 days |

| CITRONELLOL (106-22-9) | |
|---|---|
| Persistence and degradability | Readily biodegradable. May cause long-term adverse effects in the environment. |
| Chemical oxygen demand (COD) | 2.05 g $O_2$/g substance |

## 12.3. Bioaccumulative potential

| GINGER OIL CHINA (84696-15-1) | |
|---|---|
| Bioaccumulative potential | Not established. |

| ALPHA-PHELLANDRENE (99-83-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.36 |
| Partition coefficient n-octanol/water (Log Kow) | 4.62 |

| CAMPHENE (79-92-5) | |
|---|---|
| BCF - Fish [1] | 922 mg/l - 56 d - Cyprinus carpio (Carp) - not significantly accumulate |

| BETA-PHELLANDRENE (555-10-2) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 4.7 |
| Bioaccumulative potential | Not established. |

| BETA FARNESENE (18794-84-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 7.17 |

| ALPHA-PINENES (80-56-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 4.834 |
| Bioaccumulative potential | Not established. |

| CITRAL (5392-40-5) | |
|---|---|
| Bioaccumulative potential | Not established. |

| BETA-PINENES (127-91-3) | |
|---|---|
| Bioaccumulative potential | Not established. |

| D-LIMONENE (5989-27-5) | |
|---|---|
| Bioaccumulative potential | Not established. |

| BORNEOL (507-70-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 2.69 |
| Bioaccumulative potential | Not established. |

| LINALOOL (78-70-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.97 |
| Bioaccumulative potential | Not established. |

| GERANIOL (106-24-1) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 2.5 at 25 °C |
| Bioaccumulative potential | Not established. |

| CITRONELLOL (106-22-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 3.41 |
| Bioaccumulative potential | Not established. |

## 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

In accordance with ADR

### 14.1. UN number or ID number

UN-No. (ADR) : UN 3082

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (E)

### 14.3. Transport hazard class(es)

**ADR**

Transport hazard class(es) (ADR) : 9

Danger labels (ADR) : 9

:


### 14.4. Packing group

Packing group (ADR) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Other information : No supplementary information available

### 14.6. Special precautions for user

**Overland transport**

Classification code (ADR) : M6

Special provisions (ADR) : 274, 335, 601

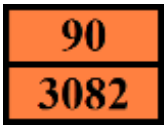
Limited quantities (ADR) : 5l

Excepted quantities (ADR) : E1

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Hazard identification number (Kemler No.) : 90

Orange plates : 


Tunnel restriction code (ADR) : E

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

**EU restriction list (REACH Annex XVII)**

| Reference code | Applicable on | Entry title or description |
|---|---|---|
| 3. | GINGER OIL CHINA ; CITRAL ; CITRONELLOL ; GERANIOL ; D-LIMONENE ; LINALOOL ; ALPHA-PINENES ; BETA-PINENES ; ALPHA-PHELLANDRENE ; BETA FARNESENE ; BETA-PHELLANDRENE ; EUCALYPTOL | Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008 |
| 3(a) | D-LIMONENE ; ALPHA-PINENES ; BETA-PINENES ; ALPHA-PHELLANDRENE ; BETA-PHELLANDRENE ; EUCALYPTOL | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |
| 3(b) | GINGER OIL CHINA ; CITRAL ; CITRONELLOL ; GERANIOL ; D-LIMONENE ; LINALOOL ; ALPHA-PINENES ; BETA-PINENES ; ALPHA-PHELLANDRENE ; BETA FARNESENE ; BETA-PHELLANDRENE | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c) | GINGER OIL CHINA ; CITRONELLOL ; D-LIMONENE ; ALPHA-PINENES | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1 |
| 40. | CAMPHENE ; D-LIMONENE ; ALPHA-PINENES ; BETA-PINENES ; BORNEOL ; ALPHA-PHELLANDRENE ; BETA-PHELLANDRENE ; EUCALYPTOL | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |

GINGER OIL CHINA is not on the REACH Candidate List
GINGER OIL CHINA is not on the REACH Annex XIV List
GINGER OIL CHINA is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

GINGER OIL CHINA is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### 15.1.2. National regulations

**Germany**

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 3817)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

| Full text of H- and EUH-statements | |
|---|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| 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. |

The classification complies with : ATP 8

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.