



GINGER OIL INDIA

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 4/29/2015 Revision date: 4/16/2021 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 INDIA
EC-No. : 283-634-2
CAS-No. : 84696-15-1
REACH registration No : 05-2114598188-30
Product code : GINHE02
Synonyms : CAS USA No 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
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 statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

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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, dust, vapours.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective clothing, protective gloves, eye protection.

P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting.

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.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : GINGER OIL INDIA

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 (EC-No.) 201-234-8 | 5 – 13 | Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| B-SESQUIPHELLANDRENE | (CAS-No.) 20307-83-9 | 3 – 13 | Not classified |
| BETA-PHELLANDRENE | (CAS-No.) 555-10-2 (EC-No.) 209-081-9 | 4 – 10 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 |
| BISABOLENE | (CAS-No.) 495-62-5 (EC-No.) 207-805-8 | 4 – 10 | Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| BETA FARNESENE | (CAS-No.) 18794-84-8 (EC-No.) 242-582-0 | 3 – 9 | Skin Irrit. 2, H315 Asp. Tox. 1, H304 |
| ALPHA-PINENES | (CAS-No.) 80-56-8 (EC-No.) 201-291-9 | 1 – 4 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| EUCALYPTOL | (CAS-No.) 470-82-6 (EC-No.) 207-431-5 | ≤ 3 | Flam. Liq. 3, H226 |

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| | | | |
|------------|--|-------|---|
| CITRAL | (CAS-No.) 5392-40-5 (EC-No.) 226-394-6 | ≤ 2.8 | Skin Irrit. 2, H315 Skin Sens. 1, H317 |
| D-LIMONENE | (CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 | ≤ 2 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| LINALOOL | (CAS-No.) 78-70-6 (EC-No.) 201-134-4 | ≤ 1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| GERANIOL | (CAS-No.) 106-24-1 (EC-No.) 203-377-1 | ≤ 0.5 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 |

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). Call a physician immediately. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. 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: Get immediate medical advice/attention, Immediately call a POISON CENTER/doctor. Get medical advice/attention. Specific treatment (see Read label before use. on this label). If skin irritation or rash occurs: Immediately call a POISON CENTER/doctor, Get immediate medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| 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: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately. |

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. Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. Eye irritation. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. Risk of lung oedema. |

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

Treat symptomatically.

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

| | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

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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. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal 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

| | |
|-------------------------|--|
| For containment | : Collect spillage. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|--|
| Precautions for safe handling | : Ensure good ventilation of the work station. 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. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

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 : Heat sources, Direct sunlight. Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool. |
| Incompatible products | : Strong bases. Strong acids. |
| Incompatible materials | : Sources of ignition. Direct sunlight. |
| Maximum storage period | : 36 months 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 | : 18 (5 – 25) °C |

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):**Environmental exposure controls:**

Avoid release to the environment.

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 |
| Appearance | : Liquid mobile. |
| Colour | : light yellow. brown. |
| Odour | : characteristic. aromatic. spicy. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : 66 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 0.86 – 0.89 |

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| | |
|---|--|
| Solubility | : Insoluble in water. Soluble in. alcohol. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|------------------|----------------|
| VOC content | : < 2 |
| Refractive index | : 1.48 – 1.494 |

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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 toxicological effects

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

GINGER OIL INDIA (84696-15-1)

| | |
|--------------------|--------------|
| LD50 oral rat | ≥ 5000 mg/kg |
| LD50 dermal rabbit | ≥ 5000 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 |

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EUCALYPTOL (470-82-6)

| | |
|---------------|------------|
| LD50 oral rat | 2480 ml/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 |

GERANIOL (106-24-1)

| | |
|--------------------|--------------|
| LD50 oral rat | 3600 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

LINALOOL (78-70-6)

| | |
|--------------------|----------------------------|
| LD50 oral rat | 2790 mg/kg |
| LD50 oral | 3120 mg/kg LD50 oral mouse |
| LD50 dermal rabbit | 5610 mg/kg |

BISABOLENE (495-62-5)

| | |
|--------------------|--|
| LD50 oral rat | > 5000 mg/kg Food and Cosmetics Toxicology. Vol. 13, Pg. 725, 1975 |
| LD50 dermal rabbit | > 5000 mg/kg Food and Cosmetics Toxicology. Vol. 13, Pg. 725, 1975 |

| | |
|-----------------------------------|--|
| 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. |
|-------------------|---|

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

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SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|--|
| Ecology - general | : Toxic to aquatic life with long lasting effects. |
| Ecology - water | : Very toxic to aquatic life. 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 Daphnia 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] |

EUCALYPTOL (470-82-6)

| | |
|-------------|--|
| LC50 fish 1 | 102 mg/l Pimephales promela (fathead minnow) - 96h |
|-------------|--|

D-LIMONENE (5989-27-5)

| | |
|----------------|---|
| LC50 fish 1 | 0.702 mg/l Pimephales promela (fathead minnow) -96h |
| EC50 Daphnia 1 | 69.6 daphnia - 48h |

GERANIOL (106-24-1)

| | |
|--------------------------------|--|
| LC50 fish 1 | env. 22 mg/l Brachydanio rerio (zebra-fish) - 96h |
| EC50 Daphnia 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 |

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 Daphnia 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 |

12.2. Persistence and degradability

GINGER OIL INDIA (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 |
|----------------|--|

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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. |
|-------------------------------|------------------|

D-LIMONENE (5989-27-5)

| | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |
|-------------------------------|---|

GERANIOL (106-24-1)

| | |
|-------------------------------|---|
| Persistence and degradability | Readily biodegradable. Not established. |
|-------------------------------|---|

| | |
|----------------|--|
| Biodegradation | 80 – 100 % aérobic, Exposure duration 3 days |
|----------------|--|

LINALOOL (78-70-6)

| | |
|-------------------------------|---|
| Persistence and degradability | Readily biodegradable. Not established. |
|-------------------------------|---|

| | |
|----------------|--|
| Biodegradation | 100 % 13 DAYS- ZAHN-WELLENS TEST OECD N° 302 B |
|----------------|--|

BISABOLENE (495-62-5)

| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

B-SESQUIPHELLANDRENE (20307-83-9)

| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

12.3. Bioaccumulative potential

GINGER OIL INDIA (84696-15-1)

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

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. |
|---------------------------|------------------|

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CITRAL (5392-40-5)

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

D-LIMONENE (5989-27-5)

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

GERANIOL (106-24-1)

| | |
|---|--------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.5 at 25 °C |
|---|--------------|

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

LINALOOL (78-70-6)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 2.97 |
|---|------|

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

BISABOLENE (495-62-5)

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

B-SESQUIPHELLANDRENE (20307-83-9)

| | |
|---------------------------|------------------|
| 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. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to contents/container to agreed companies according to national regulations. |
| Ecology - waste materials | : Avoid release to the environment. Hazardous waste due to toxicity. |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

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14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable
:



IMDG

Transport hazard class(es) (IMDG) : Not applicable
:



IATA

Transport hazard class(es) (IATA) : Not applicable
:



ADN

Transport hazard class(es) (ADN) : Not applicable
:



RID

Transport hazard class(es) (RID) : Not applicable
:



14.4. Packing group

| | |
|----------------------|------------------|
| Packing group (ADR) | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN) | : Not applicable |
| Packing group (RID) | : Not applicable |

14.5. Environmental hazards

| | |
|-------------------------------|--|
| Dangerous for the environment | : Yes |
| Marine pollutant | : Yes |
| Other information | : No supplementary information available |

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

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Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

No REACH Annex XVII restrictions

GINGER OIL INDIA is not on the REACH Candidate List

GINGER OIL INDIA is not on the REACH Annex XIV List

GINGER OIL INDIA 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 INDIA 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

VOC content : < 2

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

Abbreviations and acronyms:

| | |
|---------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BLV | Biological limit value |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |

GINGER OIL INDIA

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| | |
|-------|---|
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |
| WGK | Water Hazard Class |

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. |

SDS EU (REACH Annex II)

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.