

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

1.1. Product identifier

Product form : Substance
Substance name : MELISSA ORGANIC OIL
EC-No. : 282-007-0
CAS-No. : 84082-61-1
Product code : BMELHE01
Synonyms : CAS USA No 8014-71-9
Product group : Organic 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
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
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. Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

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| | |
|--------------------------------|--|
| Hazard statements (CLP) | : 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. |
| Precautionary statements (CLP) | : P261 - Avoid breathing fume, gas, dust, vapours. P264 - Wash hands thoroughly after handling. P280 - Wear eye protection, protective clothing, protective gloves. 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. |

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

| | |
|---------|-----------------------|
| Name | : MELISSA ORGANIC OIL |
| CAS-No. | : 84082-61-1 |
| EC-No. | : 282-007-0 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|--|---------|---|
| CITRAL | CAS-No.: 5392-40-5 EC-No.: 226-394-6 | 15 – 70 | Skin Irrit. 2, H315 Skin Sens. 1, H317 |
| BETA-CARYOPHYLLENE | CAS-No.: 87-44-5 EC-No.: 201-746-1 | 6 – 30 | Not classified |
| CITRONELLAL | CAS-No.: 106-23-0 EC-No.: 203-376-6 | 1 – 10 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |
| GERANYL ACETATE | CAS-No.: 105-87-3 EC-No.: 203-341-5 | 0 – 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 |
| OCIMENE | CAS-No.: 13877-91-3 EC-No.: 237-641-2 | 0 – 5 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |
| GERANIOL | CAS-No.: 106-24-1 EC-No.: 203-377-1 | ≤ 3.4 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 |
| CARYOPHYLLENE OXIDE | CAS-No.: 1139-30-6 EC-No.: 214-519-7 | ≤ 2 | Aquatic Chronic 2, H411 |
| LINALOOL | CAS-No.: 78-70-6 EC-No.: 201-134-4 | 0 – 1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| CITRONELLOL | CAS-No.: 106-22-9 EC-No.: 203-375-0 | 0 – 1 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411 |

Full text of H-statements: see section 16

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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 | : 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: 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. 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: Consult an eye specialist. Get medical advice/attention. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell. |

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. |

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

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

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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

| | |
|-------------------------|--|
| 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 in a well-ventilated place. Keep cool. |
| 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 | : ≤ 18 (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

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8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. 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:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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 |
| Colour | : light yellow. Yellow. orange. |
| Odour | : characteristic. fresh. lemon-like. pleasant. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| 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 | : 75 °C |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : Not available |

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| | |
|---|--|
| Viscosity, kinematic | : < 7 mm ² /s @ 40°C |
| 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 | : 1750 – 3000 hPa |
| Density | : Not available |
| Relative density | : 0.885 – 0.915 |
| 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 – 1.515

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 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 |

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| MELISSA ORGANIC OIL (84082-61-1) | |
|---|--|
| LD50 oral rat | ≥ 5000 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 |
| GERANYL ACETATE (105-87-3) | |
| LD50 oral rat | 6330 mg/kg |
| , Dermal, Guinea pig | = 100 mg (24 Hours, May cause moderate irritation.) |
| Skin irritation, Dermal, rabbit | = 100 mg (24 Hours, Notes to physician : Risk of severe skin irritation) |
| CITRONELLAL (106-23-0) | |
| LD50 oral rat | 2420 mg/kg |
| LD50 dermal rabbit | > 2500 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 |
| CARYOPHYLLENE OXIDE (1139-30-6) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 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 |
| 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 | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |

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MELISSA ORGANIC OIL (84082-61-1)

| | |
|----------------------|-------------------------------|
| Viscosity, kinematic | < 7 mm ² /s @ 40°C |
|----------------------|-------------------------------|

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 - general | : Harmful to aquatic life with long lasting effects. |
| Ecology - water | : Harmful 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) | : Harmful to aquatic life with long lasting effects. |

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| 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

| MELISSA ORGANIC OIL (84082-61-1) | |
|---|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

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

| GERANYL ACETATE (105-87-3) | |
|-----------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| CITRONELLAL (106-23-0) | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

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

| CARYOPHYLLENE OXIDE (1139-30-6) | |
|--|---|
| 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 |

| 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 |

| OCIMENE (13877-91-3) | |
|-------------------------------|---|
| Persistence and degradability | No information available. persistency. High. Not established. |

12.3. Bioaccumulative potential

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| MELISSA ORGANIC OIL (84082-61-1) | |
|---|--|
| Bioaccumulative potential | Not established. |
| CITRAL (5392-40-5) | |
| Bioaccumulative potential | Not established. |
| GERANYL ACETATE (105-87-3) | |
| Partition coefficient n-octanol/water (Log Kow) | 4.04 |
| Bioaccumulative potential | Not established. |
| CITRONELLAL (106-23-0) | |
| Bioaccumulative potential | Not established. |
| LINALOOL (78-70-6) | |
| Partition coefficient n-octanol/water (Log Pow) | 2.97 |
| Bioaccumulative potential | Not established. |
| CARYOPHYLLENE OXIDE (1139-30-6) | |
| 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. |
| OCIMENE (13877-91-3) | |
| Bioaccumulative potential | No information available. Weak. Not established. |

12.4. Mobility in soil

| OCIMENE (13877-91-3) | |
|----------------------|-----------------------------------|
| Ecology - soil | No information available. Medium. |

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

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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number or ID 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

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 : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport
No data available

Transport by sea
No data available

Air transport
No data available

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Inland waterway transport

No data available

Rail transport

No data available

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

No REACH Annex XVII restrictions

MELISSA ORGANIC OIL is not on the REACH Candidate List

MELISSA ORGANIC OIL is not on the REACH Annex XIV List

MELISSA ORGANIC OIL 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.

MELISSA ORGANIC OIL 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 1, Slightly hazardous to water (Classification according to AwSV; ID No. 5813)

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 |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |

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| Abbreviations and acronyms | |
|----------------------------|--|
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

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 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| 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. |

MELISSA ORGANIC OIL

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements

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| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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.