

MOPANE ORGANIC ESSENTIAL OIL

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name MOPANE ORGANIC ESSENTIAL OIL
 Substance name Colophospermum mopane, ext.
 CAS No. Not applicable.
 EC No. Not applicable.
 REACH Registration No. Exempt: tonnage band under 1 ton/year

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

Identified Use(s) Raw material for industry
 Cosmetic products, detergents
 Uses Advised Against Not known.

***1.3 Details of the supplier of the safety data sheet**

Supplier
 Company Identification Scents From Nature - Natural Essential Oils Company, Lda
 Address of Manufacturer Zona Industrial da Ladeira da Calça, Lote 1
 Postal code 3260-305 Figueiró dos Vinhos, Portugal
 Telephone: (+351) 236 551 093
 E-mail Info@SCENTSNATURE.com

1.4 Emergency telephone number

National response centre
 Address Centro de Informação Antivenenos (CIAV)
 INEM – Instituto Nacional de Emergência Médica,
 Rua Almirante Barroso, 36,
 1000 – 013 LISBOA, Portugal.
 Emergency Phone No. 800 250 250

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 3 :Flammable liquid and vapour.
 Acute Tox. 4 :Harmful if swallowed.
 Asp. Tox. 1 :May be fatal if swallowed and enters airways.
 Skin Irrit. 2 :Causes skin irritation.
 Skin Sens. 1B :May cause an allergic skin reaction.
 Aquatic Acute 1 :Very toxic to aquatic life.
 Aquatic Chronic 1 :Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Product Name According to Regulation (EC) No. 1272/2008 (CLP)
 Substance name MOPANE ORGANIC ESSENTIAL OIL
 Colophospermum mopane, ext.

Hazard Pictogram(s)



GHS02



GHS08



GHS07



GHS09

Signal Word(s)

Danger

Hazard Statement(s)

H226: Flammable liquid and vapour.
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P264: Wash hands and exposed skin thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
 P331: Do NOT induce vomiting.

MOPANE ORGANIC ESSENTIAL OIL**2.3 Other hazards**

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

| HAZARDOUS INGREDIENT(S) | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s) | Hazard Pictogram(s) |
|-------------------------|---------|---------------------------------|------|--|----------------------------------|
| Colophospermum mopane | - | - | 100 | Flam. Liq. 3 H226 Acute Tox. 4 H302 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1B H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 | GHS02 GHS07 GHS08 GHS09 |

Major constituents of the substance contributing to the classification:

| HAZARDOUS INGREDIENT(S) | CAS No. | EC No. / REACH Registration No. | %W/W | Hazard Statement(s) | Hazard Pictogram(s) |
|-------------------------|---------|---------------------------------|-------|--|----------------------------------|
| pin-2(3)-ene | 80-56-8 | 201-291-9 | 50-75 | Flam. Liq. 3 H226 Acute Tox. 4 H302 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1B H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 | GHS02 GHS08 GHS07 GHS09 |
| caryophyllene | 87-44-5 | 201-746-1 | 5-10 | Asp. Tox. 1 H304 Skin Sens. 1B H317 | GHS08 GHS07 |

| HAZARDOUS INGREDIENT(S) | CAS No. | Specific Concentration Limit | M-factor | ATE |
|-------------------------|---------|------------------------------|----------|-------------------------------|
| pin-2(3)-ene | 80-56-8 | - | - | Acute Tox. 4 (H302) : 500.000 |

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

| | |
|--------------|--|
| Inhalation | Treat symptomatically. |
| Skin Contact | Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Rinse skin with water. |
| Eye Contact | Treat symptomatically. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTRE/doctor. |

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation. Allergic contact dermatitis.

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 | Use water spray, dry powder or carbon dioxide to extinguish. |
| Unsuitable extinguishing media | Water jet spray |

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained

MOPANE ORGANIC ESSENTIAL OIL

breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.





SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.
- 6.2 Environmental precautions**
Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up**
Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.
- 6.4 Reference to other sections**
See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store locked up. Store in a well-ventilated place. Keep cool.
- Storage temperature: Ambient.
- Storage life: Stable under normal conditions.
- Incompatible materials: None known.
- 7.3 Specific end use(s)**
Not known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational Exposure Limits: No Occupational Exposure Limit assigned.
- 8.2 Exposure controls**
 - 8.2.1. Appropriate engineering controls: Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.
 - 8.2.2. Personal protection equipment
 -  Eye Protection: Wear eye protection with side protection (EN166).
 -  Skin protection: Wear protective clothing and gloves: Impervious gloves (EN 374).
 -  Respiratory protection: A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
 -  Thermal hazards: None known.
 - 8.2.3. Environmental Exposure Controls: Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

MOPANE ORGANIC ESSENTIAL OIL

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | Liquid. |
| Colour | Pale yellow |
| Odour | Wood and light |
| Melting point/freezing point | Not known. + |
| Boiling point or initial boiling point and boiling range | Not known. + |
| Flammability | Not known. + |
| Lower and upper explosion limit | Not known. + |
| Flash Point | Not known. + |
| Auto-ignition temperature | Not known. + |
| Decomposition Temperature | Not known. + |
| pH | Not known. + |
| Kinematic Viscosity | Not known. + |
| Solubility | Solubility (Water) : Not known. + Solubility (Other) : Not known. + |
| Partition coefficient n-octanol/water (log value) | Not known. + |
| Vapour pressure | Not known. + |
| Density and/or relative density | Density (g/ml) : 0.879 |
| Relative vapour density | Not known. + |
| Particle characteristics | Not known. + |

+ There are no data available at the time of writing this document or it is not applicable due to the nature and danger of the product

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

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

| | |
|--------------------------------|--|
| Acute toxicity - Ingestion | Calculation method : Harmful if swallowed. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 745.16000 |
| Acute toxicity - Skin Contact | Calculation method : Not classified. |
| Acute toxicity - Inhalation | Calculation method : Not classified. |
| Skin corrosion/irritation | Calculation method : Causes skin irritation. |
| Serious eye damage/irritation | Calculation method : Not classified. |
| Skin sensitization data | Calculation method : May cause an allergic skin reaction. |
| Respiratory sensitization data | Calculation method : Not classified. |
| Germ cell mutagenicity | Calculation method : Not classified. |
| Carcinogenicity | Calculation method : Not classified. |
| Reproductive toxicity | Calculation method : Not classified. |
| Lactation | Calculation method : Not classified. |
| STOT - single exposure | Calculation method : Not classified. |
| STOT - repeated exposure | Calculation method : Not classified. |
| Aspiration hazard | Calculation method : May be fatal if swallowed and enters airways. |

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

| | |
|----------------------------------|---|
| | Very toxic to aquatic life with long lasting effects. |
| Toxicity - Aquatic invertebrates | Not known. |

MOPANE ORGANIC ESSENTIAL OIL

Toxicity - Fish Not known.
 Toxicity - Algae Not known.
 Toxicity - Sediment Compartment Not classified.
 Toxicity - Terrestrial Compartment Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this product and its container, sending them to an authorized collection and recovery/disposal company.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

***14.1 UN number or ID number**

UN No. 1197

***14.2 UN proper shipping name**

UN proper shipping name EXTRACTS, LIQUID

***14.3 Transport hazard class(es)**

ADR/RID
 ADR/RID Class 3
 ADR Classification Code F1
 Special Provisions 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Emergency Action Code 3Y
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages
 Mixed Packing Instructions for Packages MP19
 Packing Instructions for Portable Tanks T2
 Special Provisions for Portable Tanks TP1
 Tank Code for Tanks LGBF
 Special Provisions for Tanks
 Vehicle for Tank Carriage FL
 ADR Transport Category 3
 Tunnel Restriction Code D/E
 Special Provisions for Carriage - Packages V12
 Special Provisions for Carriage - Bulk
 Special Provisions for Carriage - Loading, Unloading and Handling
 Special Provisions for Carriage - Operation S2
 ADR HIN 30
 IMDG
 IMDG Class 3
 Special Provisions 601
 Limited Quantities 5 L
 Excepted Quantities E1
 Mixed Packing Instructions for Packages P001 IBC03 LP01 R001
 Special Packing Provisions for Packages
 Packing Instructions for Portable Tanks T2
 Special Provisions for Portable Tanks TP1
 IMDG EMS F-E, S-D

MOPANE ORGANIC ESSENTIAL OIL

| | |
|--|------------------|
| Stowage and Handling | Category A |
| Segregation | |
| Marine Pollutant | |
| ICAO/IATA | |
| IATA Proper Shipping Name | EXTRACTS, LIQUID |
| Excepted Quantities | E1 |
| Passenger and Cargo Aircraft Limited Quantities Packing Instructions | Y344 |
| Passenger and Cargo Aircraft Limited Quantities Max net Qty | 10L |
| Passenger and Cargo Aircraft Packing Instructions | 355 |
| Passenger and Cargo Aircraft Max net Qty | 60L |
| Cargo Aircraft Packing Instructions | 366 |
| Cargo Aircraft Max net Qty | 220L |
| Special Provisions | A3 |
| Emergency Response Guidebook (ERG) Code | 3L |
| Labels | |
| Labels | 3 |



| | |
|---|-----------------------------------|
| 14.4 Packing group | |
| Packing group | III |
| 14.5 Environmental hazards | |
| Environmental hazards | Classified as a Marine Pollutant. |
| 14.6 Special precautions for user | |
| Special precautions for user | Not known. |
| 14.7 Maritime transport in bulk according to IMO instruments | |
| | No information available |

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

***SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

LEGEND

| | |
|--------------------|--|
| Revision 1.1 | 28/09/2023 |
| Replaces: | Revision 1 of 13/12/2021 |
| Section 1.3 | Update supplier contact details |
| Section 14.1 | Change to new UN number 1197 |
| Section 14.2, 14.3 | Change to new proper shipping name: EXTRACTS, LIQUID |

MOPANE ORGANIC ESSENTIAL OIL

Revision 1 13/12/2021
Changes from the previous revision marked with an *

Hazard Pictogram(s)



Hazard classification

GHS02 GHS08 GHS07 GHS09
Flam. Liq. 3 : Flammable liquid, Category 3
Acute Tox. 4 : Acute toxicity, Category 4
Asp. Tox. 1 : Aspiration hazard, Category 1
Skin Irrit. 2 : Skin corrosion/irritation, Category 2
Skin Sens. 1B : Skin sensitization, Category 1B
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Hazard Statement(s)

H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264: Wash hands and exposed skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P321: Specific treatment (see Medical Advice on this label).
P331: Do NOT induce vomiting.

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
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative
Regulation (EC) No. 1272/2008 (CLP)

Key literature references and sources for data used to compile the SDS

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