

# Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

EN

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Revision: 05/03/2022

Version: 01



## EUCALYPTI AETHEROLEUM

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

#### 1.1 Product identifier

Product name: Eucalyptus oil  
Eucalypti aetheroleum  
Eucalyptus vlugolie  
Huile essentielle d'eucalyptus  
Eukalyptusöl

N° CAS: 8000-48-4

N° EC: 616-775-9

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

Identified uses: Active Pharmaceutical Ingredient or Excipient.

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

Company: FRAVER NV  
Keizershoek 336  
2550 Kontich  
Belgium

Telephone: (+32) (0)3 457 11 76

Email: info@magis-pharma.be

Web page: www.magis-pharma.be

#### 1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance/mixture

##### Classification according to (EC) n° 1272/2008

Flam. Liq. 3	H226
Skin Sens. 1	H317

#### 2.2 Label elements

##### Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):



Signal word(s): Attention

Hazard statements:

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
	Use only non-sparking tools.

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P242	Take precautionary measures against static discharge.
P243	Contaminated work clothing should not be allowed out of the workplace.
P272	
Additional applicable label elements:	Not applicable.

### 2.3 Other hazards

Not applicable.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Product name:	Eucalyptol
IUPAC name:	1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane
Synonyms:	Cineole Zineol
N° CAS:	470-82-6
N° EC:	207-431-5
Molecular Formula:	C <sub>10</sub> H <sub>18</sub> O
Content:	> 50 %
Product name:	D-Limonene
IUPAC name:	(4R)-1-methyl-4-prop-1-en-2-ylcyclohexene
Synonyms:	Citrene Carvene
N° CAS:	5989-27-5
N° EC:	227-813-5
Molecular Formula:	C <sub>10</sub> H <sub>16</sub>
Content:	[5-10] %
Product name:	Alpha-Pinene
IUPAC name:	2,6,6-trimethylbicyclo[3.1.1]hept-2-ene
Synonyms:	Acintene A Pinene isomer
N° CAS:	80-56-8
N° EC:	201-291-9
Molecular Formula:	C <sub>10</sub> H <sub>16</sub>
Content:	[1-5] %
Product name:	P-Cymene
IUPAC name:	1-methyl-4-propan-2-ylbenzene
Synonyms:	P-Cymol Paracymene
N° CAS:	99-87-6
N° EC:	202-796-7
Molecular Formula:	C <sub>10</sub> H <sub>14</sub>

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Content: [1-5] %

Product name: Gamma-Terpinene  
IUPAC name: 1-methyl-4-propan-2-ylcyclohexa-1,4-diene  
Synonyms: Crithmene  
Moslene  
N° CAS: 99-85-4  
N° EC: 202-794-6  
Molecular Formula:  $C_{10}H_{16}$   
Content: [1-5] %

Product name: Beta-Pinene  
IUPAC name: 6,6-dimethyl-2-methylidenebicyclo[3.1.1]heptane  
Synonyms: Pseudopinene  
Nopinene  
N° CAS: 127-91-3  
N° EC: 204-872-5  
Molecular Formula:  $C_{10}H_{16}$   
Content: [0-1] %

Product name: Myrcene  
IUPAC name: 7-methyl-3-methylideneocta-1,6-diene  
Synonyms: Beta-Myrcene  
N° CAS: 123-35-3  
N° EC: 204-622-5  
Molecular Formula:  $C_{10}H_{16}$   
Content: [ 0-1] %

Product name: Terpinolene  
IUPAC name: 1-methyl-4-propan-2-ylidenecyclohexene  
Synonyms: Isoterpinene  
Terpinolen  
N° CAS: 586-62-9  
N° EC: 209-578-0  
Molecular Formula:  $C_{10}H_{16}$   
Content: [0-1] %

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

General notes: If in doubt, always call a doctor.  
After inhalation: If the person in question is unconscious, place him/her in the lateral safety position. Supply fresh air; consult doctor in case of complaints.  
After skin contact: Take off contaminated clothes. Wash with water for several minutes.

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After eye contact:	Wash abundantly with water (don't forget to remove contact lenses). Consult a doctor immediately if signs of irritation persist.
After ingestion:	Do not induce vomiting. Consult a doctor showing him the product label.

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

Not available.

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

Not available.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:	In case of fire, use water spray (or mist) and appropriate extinguishers (CO <sub>2</sub> , extinguishing powder, etc.).
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Unsuitable extinguishing media:	Never use a direct water jet.
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### 5.2 Special hazards arising from the substance/mixture

Flammability class: the product is flammable.

In case of fire, may produce toxic fumes of carbon monoxide (CO) or carbon dioxide (CO<sub>2</sub>). Exposure to decomposition products can pose health risks. Do not inhale the vapours.

### 5.3 Advice for firefighters

Surrounding fires:	Collect contaminated fire fighting water separately. It may not enter the sewage system.
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Protection against fire:	Wear self-contained respiratory protective device.
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Hazardous combustion products:	Not available.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel

Avoid inhaling vapours. Avoid all contact with skin and eyes. If necessary, have the personnel evacuated by trained operators equipped with protective equipment.

#### For emergency responders

Appropriate personal protective equipment will be necessary (see section 8).

### 6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water. Notify authorities if the product enters sewers or public waters.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

### 6.4 Reference to other sections

For information on exposure controls and personal protection: See section 8.

For information on disposal: See section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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Precautions for safe handling:	Wash your hands after every use. Close the packaging after use. Avoid inhalation of vapors and contact with skin or eyes.
Personal protection:	For personal protective equipment, see section 8.
Technical protective measures:	Provide adequate ventilation. Provide safety showers and eye fountains.
Handling:	Handle in well ventilated areas.

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

Storage:	Keep containers tightly closed. Always store in appropriate packaging (same material as the original).
Conditions for safe storage, including any incompatibilities:	Store in cool and dry conditions at a temperature not exceeding 25°C.
Storage – away from:	Keep away from sources of heat and protected from extreme temperatures.

### 7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Components with limit values that require monitoring at the workplace: Not required.

### 8.2 Exposure controls

#### Appropriate engineering control

Avoid contact with eyes, skin or clothing. Do not ingest. Avoid contact with food, drink. Do not eat, drink or smoke while handling.

#### Individual protection measures

Eye/face protection:	Tightly sealed goggles.
Skin protection:	Protective work clothing.
Hand protection:	Wear gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Respiratory protection:	Wear a mask.
Thermal hazards:	Not determined.

#### Environmental exposure control

Not available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	Colourless or pale-yellow liquid
Odour:	Powerful, penetrating, camphor, reminiscent of 1,8-cineole
Odour threshold:	Not available.
pH:	Not available.
Melting/freezing point:	Not available.
Initial boiling point:	175 °C
Boiling range:	Not available.

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Flash point:	49 °C (120.2 °F)
Evaporation rate:	Not available.
Flammability (solid/gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	0.927 g/cm <sup>3</sup> (20°C)
Relative density:	0.906 – 0.927
Solubility:	In alcohol: Soluble in 5 volumes of ethanol (70% V/V) R
Solubility in water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

### 9.2 Other information

Refractive index: 1.457 – 1.465 (20 °C)

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No hazardous reactions if stored and handled according to provisions.

### 10.2 Chemical stability

The product is stable if stored and handled according to provisions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions if stored and handled according to provisions.

### 10.4 Conditions to avoid

Avoid excessive heat sources (open flame, sparks, etc.).

### 10.5 Incompatible materials

Not available.

### 10.6 Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:	Oral: 4 440,10 mg/kg Cutaneous: 0,00 mg/kg (estimated)
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Not available.
Respiratory/skin sensitisation:	Not available.

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Germ cell mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive toxicity:	Not available.
Summary of evaluation of the CMR properties:	Not available.
STOT-single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration Hazard:	Not available.
Other:	Not available.

### 11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Not available.
Skin contact:	May cause an allergic skin reaction.
Inhalation:	Not available.
Ingestion:	Not available.
Aspiration:	Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Do not allow the product, undiluted or in large quantities, to penetrate the water-bearing stratum, the open water or the canalization.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

Not applicable.

### 12.6 Other adverse effects

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Do not dispose of with household waste. Do not pour into sewers or waterways. Eliminate in accordance with current legislation, by a collector or a specialized company.

Soiled packaging: Keep the label on the container. Give to a certified disposal contractor.

## SECTION 14: TRANSPORT INFORMATION

### Transport information according to ADR/RID/IMDG/ICAO/IATA

#### 14.1 UN Number

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ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : 1169

### 14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : EXTRACTS, AROMATIC, LIQUID

### 14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : 3

### 14.4 Packing group

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : III

### 14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),  
IATA/ICAO (Air) : IMDG: Marine pollutant material

### 14.6 Special precautions for user

Warning: Flammable liquids.

### 14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not available.

### 14.8 Additional transport information

Limited quantities (LQ):  
ADR, IMDG: 5L  
IATA: 10L

## SECTION 15: REGULATORY INFORMATION

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

Hazard symbol:



Risk phrases:

R10 Flammable  
R43 May cause sensitization by skin contact.

Safety phrases:

S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition – No smoking  
S29 Do not empty into drains  
S33 Take precautionary measures against static discharges

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

### 16.1 Changes since the previous version

Not applicable.

### 16.2 Abbreviations and acronyms used

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road



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CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

### 16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

### 16.4 Method of classification in case of mixture

Not applicable.

### 16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

### 16.6 Training advisement

Not available

### 16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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### 16.8 Department issuing MSDS

Quality Department

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