

Safety Data Sheet

CINNAMON BARK ESSENTIAL OIL SUPER PREMIUM



According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

Version:1
Version date:25/11/2021
Language:EN

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

1.1. Product identifier

Trade name/designation : CINNAMON BARK ESSENTIAL OIL SUPER PREMIUM
CAS No : 84649-98-9

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

Relevant identified uses : Ingredient used in Flavour and/or Fragrance preparations.

1.3. Details of the supplier of the safety data sheet

Supplier : Name: Hermitage Oils srl
Street: Località Petrognano 14, 52100 Arezzo (AR)
Country: Italy
Telephone: +39 (0) 575 362831
E-mail: info@hermitageoils.com

1.4. Emergency Telephone Number

Bergamo: +39 (0) 800 883 300, Florence: +39 (0) 55 794 7819, Foggia: +39 (0) 881 732 326, Genoa: +39 (0) 10 563 62 45, Milan: + 39 (0) 02 6610 1029, Padua: +39 (0) 49 827 50 78, Pavia: +39 (0) 38 224 444, Rome: +39 (0) 06 305 43 43, Turin: +39 (0) 011 663 7637

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Hazards identification

Classification	Hazard statements (H)	
Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1B	H317	May cause an allergic skin reaction.
Eye Irrit. 2	H319	Causes serious eye irritation
Carc. 1B	H350	May cause cancer.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling

Hazard pictograms



Signal word

Danger

Product identifiers	-
Hazard Statements	H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation H350 - May cause cancer. H411 - Toxic to aquatic life with long lasting effects.
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P201 - Obtain special instructions before use. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statements - Response	P308+P313 - IF exposed or concerned: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.
Precautionary Statements - Storage	-
Precautionary Statements - Disposal	-

Contains: cinnamaldehyde, eugenol, linalool, caryophyllene, pin-2(3)-ene, dipentene, 5-allyl-1,3-benzodioxole, pin-2(10)-ene, p-mentha-1,4(8)-diene, cinnamyl alcohol

2.3. Other hazards

Restricted to professional users.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Description

Molecular formula : UVCB

Molecular weight : 166,02 g/mol

Name of essential oil: Cinnamomum zeylanicum, ext.

CAS N°: 84649-98-9

Concentration: 100 %

The substance does not contain any substances classified as Substance of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

Substance	C (%)	Classification	Specific concentration limits	Note
cinnamaldehyde CAS N°:104-55-2 EC N°:203-213-9 IDX N°:	30.0% ≤C< 50.0%	H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation	-	-
eugenol CAS N°:97-53-0 EC N°:202-589-1 IDX N°:	20.0% ≤C< 30.0%	H317: May cause an allergic skin reaction. H319: Causes serious eye irritation	-	-
linalool CAS N°:78-70-6 EC N°:201-134-4 IDX N°:603-235-00-2	1.0% ≤C< 10.0%	H317: May cause an allergic skin reaction.	-	-
pin-2(3)-ene CAS N°:80-56-8 EC N°:201-291-9 IDX N°:	2.5% ≤C< 10.0%	H226: Flammable liquid and vapour. H302: Harmful if swallowed H304: May be fatal if swallowed	M=1M(Chronic)=1	-

		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.		
caryophyllene CAS N°:87-44-5 EC N°:201-746-1 IDX N°:	2.5% ≤C< 10.0%	H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H413: May cause long lasting harmful effects to aquatic life.	-	-
benzyl benzoate CAS N°:120-51-4 EC N°:204-402-9 IDX N°:607-085-00-9	1.0% ≤C< 2.5%	H302: Harmful if swallowed H411: Toxic to aquatic life with long lasting effects.	-	-
5-allyl-1,3-benzodioxole CAS N°:94-59-7 EC N°:202-345-4 IDX N°:605-020-00-9	0.1% ≤C< 1.0%	H302: Harmful if swallowed H341: Suspected of causing genetic defects. H350: May cause cancer.	-	-
cinnamyl alcohol CAS N°:104-54-1 EC N°:203-212-3 IDX N°:	0.1% ≤C< 1.0%	H315: Causes skin irritation. H317: May cause an allergic skin reaction.	-	-
pin-2(10)-ene CAS N°:127-91-3 EC N°:204-872-5 IDX N°:	0.25% ≤C< 1.0%	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.	-	-
dipentene CAS N°:138-86-3 EC N°:205-341-0 IDX N°:601-029-00-7	0.25% ≤C< 1.0%	H226: Flammable liquid and vapour. 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.	-	-
p-mentha-1,4(8)-diene CAS N°:586-62-9 EC N°:209-578-0 IDX N°:	0.1% ≤C< 0.25%	H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.	M=1	-

3.3. Remark

Text phrases and H- EUH-: see section 16.
Natural product.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information : In case of accident or unwellness, seek medical advice immediately (show directions for use or

		safety data sheet if possible).
		Remove victim out of the danger area.
		Keep affected person warm, still and covered.
		Do not leave affected person unattended.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing.
Following skin contact	:	Take off contaminated clothing.
		In case of skin irritation, consult a physician.
		Remove contaminated, saturated clothing immediately.
		After contact with skin, wash immediately with plenty of water and soap.
		In case of skin reactions, consult a physician.
Following eye contact	:	In case of eye irritation consult an ophthalmologist.
		Rinse immediately carefully and thoroughly with eye-bath or water.
		Remove contact lenses, if present and easy to do. Continue rinsing.
		Protect unharmed eye.
Following ingestion	:	Never give anything by mouth to an unconscious person or a person with cramps.
		IF SWALLOWED: Rinse mouth.
		Do NOT induce vomiting.
Self-protection of the first aider	:	First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Notes for the doctor : Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Carbondioxide, dry chemical, foam.
 Unsuitable extinguishing media : Do not use a direct waterjet on burning material.

5.2. Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Water may be ineffective.

5.3. Advice for firefighters

Not available

5.4. Additional information

- Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protection equipment.
- Remove persons to safety.
- Provide adequate ventilation.
- Use appropriate respiratory protection.

6.2. Environmental precautions

- Ensure that waste is collected and contained.
- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- Avoid release to the environment.
- Cover drains.

- Ensure all waste water is collected and treated via a waste water treatment plant.
- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Retain contaminated washing water and dispose it.
- Contain leaks or spills within cabinets with removable trays.

6.3. Methods and material for containment and cleaning up

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Clean contaminated objects and areas thoroughly observing environmental regulations.
- Ventilate affected area.
- Collect spillage.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Avoid exposure - obtain special instructions before use.

PROTECTIVE MEASURES

- Avoid contact with skin, eyes and clothes.
- Wear personal protective clothing (see section 8).
- Sewers and ducts must be protected against the entry of the product.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Only allow access to authorised staff.
- Provide for retaining containers, eg. floor pan without outflow.
- Use only in well-ventilated areas.
- If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Vapours/aerosols should be exhausted directly at the point of origin.
- Avoid breathing gas/fumes/vapour/spray.

Advices on general occupational hygiene

- Provide eye shower and label its location conspicuously
- Wash hands before breaks and after work.
- Wash contaminated clothing before reuse.
- Street clothing should be stored separately from work clothing.
- Remove contaminated, saturated clothing immediately.
- Work in well ventilated zones or use proper respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a dry, cool, and well-ventilated place.
- Keep container in upright position in order to prevent leakage.

Requirements for storage rooms and vessels

- Store locked up.

- Use isolated drainage to prevent discharge to soil.
- Ensure adequate ventilation of the storage area.

Advice on joint storage

- Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Not available

8.2. Exposure controls

Appropriate engineering controls

Where appropriate, use closed systems to transfer and process this material.

If appropriate, isolate mixing rooms and other areas where this material is used or openly handled.

Maintain these areas under negative air pressure relative to the rest of the plant.

Personal protection equipment



Eye/face protection

: **Suitable eye protection:**

- Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.
- Equipment should conform to EN 166

Skin protection

: **Hand protection:**

- Avoid skin contact. Use chemically resistant gloves.
- The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
- Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
- Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
- Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Respiratory protection

: **Suitable respiratory protection apparatus:**

- Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured.
- In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures.
- No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.
- If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used: a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or
- b) during short term maintenance procedures when engineering controls are not in normal

operation or are not sufficient; or

- c)if normal operational workplace vapor concentration in the air is increased due to heat ;
- d)during emergencies; or
- e)if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.

8.3. Additional information

Protective measures :

To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.

To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Conforms To Standard
Odour threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>75°C
Evaporation rate:	Not available
Flammability:	Not Determined
Upper/lower flammability or explosive limits:	Not Determined
Vapour pressure:	0,13 Hpa Calculated
Vapour density:	Not available
Relative density:	1.009 - 1.0215
Solubility(ies):	Not Determined
Partition coefficient: n-octanol/water (Log KOC):	Not Determined
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Viscosity:	Not Determined
Explosive properties:	Not available
Oxidising properties:	Not available
Solubility in other Solvents:	Not Determined
Log Kow:	Not available

9.2. Other safety information

PH : not determined.

Melting point : not determined.

Boiling point : not determined.

Relative vapour density : not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazards to be specially mentioned.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.4. Conditions to avoid

Direct sources of heat.

10.5. Incompatible materials

Avoid contact with strong acids, alkali or oxidizing agents.

10.6. Hazardous decomposition products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

10.7. Additional information

Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

Not available

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Not available

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Not available

11.4. Skin corrosion

Data for mixture

Causes skin irritation.

Species : human.

Exposure time : 48 h.

Method : closed patch test.

Result : No skin irritation.

Species : Rabbit.

Exposure time : 24 h.

Result : Severe skin irritation.

Substances

Not available

11.5. Eye damage

Data for mixture

Causes serious eye irritation.

Substances

Not available

11.6. Skin sensitisation**Data for mixture**

May cause an allergic skin reaction.

Respiratory sensitisation.

Test Type : maximisation study.

Species : human.

Result : Causes sensitisation.

Test substance : 8.0% in petrolatum.

Substances

Not available

11.7. STOT SE**Data for mixture**

Not available

Substances

Not available

11.8. STOT RE**Data for mixture**

Not available

Substances

Not available

11.9. Carcinogenicity**Data for mixture**

May cause cancer.

Substances

Not available

11.10. Reproductive and Developmental Toxicity**Data for mixture**

Not available

Substances

Not available

11.11. Genotoxicity**Data for mixture**

Not available

Substances

Not available

11.12. Respiratory sensitisation**Data for mixture**

Not available

Substances

Not available

11.13. Additional information

Not available

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Not available

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

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

Not available

12.7. Additional ecotoxicological information

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.





Waste treatment options

- Waste requiring special supervision.
- Dispose of waste according to applicable legislation.
- Delivery to an approved waste disposal company.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Handle contaminated packages in the same way as the substance itself.
- Dispose of waste according to applicable legislation.

Remark

- For recycling, contact manufacturer.
- Collect the waste separately.
- Consult the appropriate authorities about waste disposal.
- Do not mix with other wastes.
- The waste is to be kept separate from other types of waste until its disposal.
- Concerning the waste it has to be checked, whether a transport authorisation is required.

SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI/IATA-DGR)
14.1. UN number	3082	3082	3082	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS
14.3. Transport hazard class(es)				
Class or Division	9	9	9	9
Hazard label(s)				
14.4. Packing group	III	III	III	III

14.5. Environmental hazards

Environmentally hazardous : yes.
Marine pollutant : yes (ALPHA-PINENE).

14.6. Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

14.8. Additional information

Not available

SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.
This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

EU legislation

Regulation: Directive n°648/2004 (Allergenic fragrance ingredients N°1223/2009)

Substance	CAS	EC
benzyl benzoate	120-51-4	204-402-9
cinnamaldehyde	104-55-2	203-213-9
cinnamyl alcohol	104-54-1	203-212-3
eugenol	97-53-0	202-589-1
linalool	78-70-6	201-134-4

Regulation: REACH : Annex XVII (Restrictions)

Substance	CAS	EC
dipentene	138-86-3	205-341-0
5-allyl-1,3-benzodioxole	94-59-7	202-345-4

National regulations

Regulation: California proposition 65

Substance	CAS	EC
5-allyl-1,3-benzodioxole	94-59-7	202-345-4

Regulation: Cosmetic Ingredient Hotlist

Substance	CAS	EC
5-allyl-1,3-benzodioxole	94-59-7	202-345-4

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

For this substance/mixture a chemical safety assessment has been elaborated.

For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: OTHER INFORMATION

Creation date: 25/11/2021
Version date: 25/11/2021
Printing date: 03/12/2021

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H226	Flam. Liq. 3	Flammable liquid and vapour.
H302	Acute Tox. 4 ORAL	Harmful if swallowed
H304	Asp. Tox. 1	May be fatal if swallowed and enters airways.
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H319	Eye Irrit. 2	Causes serious eye irritation
H341	Muta. 2	Suspected of causing genetic defects.
H350	Carc. 1B	May cause cancer.
H400	Aquatic Acute 1	Very toxic to aquatic life.
H410	Aquatic Chronic 1	Very toxic to aquatic life with long lasting effects.
H411	Aquatic Chronic 2	Toxic to aquatic life with long lasting effects.
H413	Aquatic Chronic 4	May cause long lasting harmful effects to aquatic life.

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.