

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

(continued of page 1)

P272 Contaminated work clothing should not be allowed out of the workplace.
P302+P352 IF ON SKIN: Wash with plenty of water.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.

SECTION 03: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No.	Description
8015-91-6	Cinnamomum verum J.Presl (Syn : Cinnamomumzeylanicum Blume)

- Identification number(s)
- EC number:
283-479-0

SECTION 04: First aid measures

4.1 Description of first aid measures

- General information:
Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Seek immediate medical advice.
- After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
Seek immediate medical advice.
- Information for doctor:

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 05: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing agents:
CO₂, sand, extinguishing powder. Do not use water.
Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents:
Water with full jet

5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

- Protective equipment:
Do not inhale explosion gases or combustion gases.
- Additional information
Cool endangered receptacles with water spray.

EU

(continued on page 3)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

(continued of page 2)

SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 07: Handling and storage

• **Handling:**

7.1 Precautions for safe handling

Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Handle with care. Avoid jolting, friction and impact.

• **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

• **Storage:**

• **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.
Prevent any seepage into the ground.
Use only receptacles specifically permitted for this substance/ product.

• **Further information about storage conditions:**

Keep container tightly sealed.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

SECTION 08: Exposure controls/personal protection

8.1 Control parameters

• **Ingredients with limit values that require monitoring at the workplace:**

Not required.

CAS No.	Designation of material	%	Type	Value	Unit
----------------	--------------------------------	----------	-------------	--------------	-------------

Not required.

• **Additional information:**

The lists valid during the making were used as basis.

8.2 Exposure controls

• **Personal protective equipment:**

• **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.

• **Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.**

(continued on page 4)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

Not determined.

(continued of page 4)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity
- LD/LC50 values relevant for classification:

ISO LD/LC

8015-91-6 Cinnamomum verum J.Presl (Syn : Cinnamomum zeylanicum Blume)

Oral, LD50: 3400 mg/kg (rat)
Dermal, LD50: 690 mg/kg (Rabbit)

- Primary irritant effect:
- Skin corrosion/irritation
Irritant to skin and mucous membranes.
- Serious eye damage/irritation
Irritating effect.
- Respiratory or skin sensitisation
Sensitization possible through skin contact.
- Subacute to chronic toxicity:
Not determined.
- Germ cell mutagenicity
Not determined.
- Carcinogenicity
Not determined.
- Reproductive toxicity
Not determined.
- STOT-single exposure
Not determined.
- STOT-repeated exposure
Not determined.
- Aspiration hazard
Not determined.

SECTION 12: Ecological information

12.1 Toxicity

- Aquatic toxicity:
No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

- Behaviour in environmental systems:
Not determined.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

- Ecotoxicological effects:
Not determined.
- Additional ecological information:
- General notes:
Harmful to aquatic organisms
The material is harmful to the environment.

12.5 Results of PBT and vPvB assessment

- PBT:
Not applicable.
- vPvB:
Not applicable.

12.6 Other adverse effects

No further relevant information available.

EU

(continued on page 6)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

(continued of page 5)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR UN2810

IMDG UN2810

IATA UN2810

14.2 UN proper shipping name

ADR 2810 TOXIC LIQUID, ORGANIC, N.O.S. (CINNAMOMUM VERUM J.PRESL)

IMDG TOXIC LIQUID, ORGANIC, N.O.S. (CINNAMOMUM VERUM J.PRESL)

IATA TOXIC LIQUID, ORGANIC, N.O.S. (CINNAMOMUM VERUM J.PRESL)

14.3 Transport hazard class(es)

ADR

Class 6.1 (T1) Toxic substances.

Label **6.1**



IMDG

Class 6.1 Toxic substances.

Label **6.1**



IATA

Class 6.1 Toxic substances.

Label **6.1**



14.4 Packing group

ADR III

IMDG III

IATA III

14.5 Environmental hazards:

Marine pollutant: Yes

(continued on page 7)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

(continued of page 6)

14.6 Special precautions for user

Warning: Toxic substances.

Danger code (Kemler): 60

EMS Number: F-A,S-A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

- Transport/Additional information:
Not applicable.

Excepted quantities (EQ): E1

Limited quantities (LQ): 5L

Transport category: 2

Tunnel restriction code: E

IMDG

Limited quantities (LQ): 5L

Excepted quantities (EQ): E1

- UN "Model Regulation":
UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (CINNAMOMUM VERUM J.PRESL), 6.1,
III

SECTION 15: Regulatory information

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

- National regulations:
- Waterhazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

- Training hints
Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.
- Abbreviations and acronyms:
IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent

(continued on page 8)

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

2293900

Reviewed on: 03/07/19
Printing date: 03/07/2019

PRODUCT : CINNAMON bark ORGANIC OIL GMP

(continued of page 7)

LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

- Sources
IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- * Data compared to the previous version altered.