



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

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

PRODUCT NAME: **Cinnamon Essential Oil**

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: **12**

CAS NUMBER: 84649-98-9

EC NUMBER: 283-479-0

INCI: Cinnamomum zeylanicum

IDENTIFIED USES: Fragrance

BIOLOGICAL DEFINITION: "Cummamon Bark Oil Ceylon"; "Cinnamon Oil Ceylon". Cinnamomum Zeylanicum Bark Oil is the volatile oil expressed from the bark of the Ceylon Cinnamon, Cinnamomum zeylanicum, Lauraceae. It contains cinnamaldehyde (50-60%), eugenol (4-8%), phellandrene.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- | | |
|--------------------------|---|
| - PHYSICAL HAZARDS: | Not Classified |
| - HEALTH HAZARDS: | Acute Tox. 4 - H312
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1 - H317 |
| - ENVIRONMENTAL HAZARDS: | Aquatic Chronic 3 - H412 |

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

HAZARD STATEMENTS:

WARNING

- H312 Harmful in contact with skin.
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: P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 If eye irritation persists: Get medical advice/ attention.

SUPPLEMENTARY PRECAUTIONARY STATEMENTS: P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P312 Call a POISON CENTER/ doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/ container in accordance with national regulations.

CONTAINS: Cinnamal, Eugenol, Eucalyptol, Limonene, Cinnamyl Alcohol

3: COMPOSITION/INFORMATION ON INGREDIENTS

CINNAMAL	60-100%
CAS number:	104-55-2
EC number:	203-213-9
Classification:	Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1A - H317
EUGENOL	5-10%
CAS number:	97-53-0
EC number:	202-589-1
Classification:	Eye Irrit. 2 - H319 Skin Sens. 1B - H317
LINALOOL	5-10%
CAS number:	78-70-6
EC number:	201-134-4
Classification:	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
EUCALYPTOL	1-5%
CAS number:	470-82-6
EC number:	207-431-5
Classification:	Flam. Liq. 3 - H226 Skin Sens. 1B - H317

BENZYL BENZOATE	1-5%
CAS number:	120-51-4
EC number:	204-402-9
M factor (Acute):	1
Classification:	Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411
LIMONENE	1-5%
CAS number:	138-86-3
EC number:	205-341-0
M factor (Acute):	1
M factor (Chronic):	1
Classification:	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
CINNAMYL ALCOHOL	<1%
CAS number:	104-54-1
EC number:	203-212-3
Classification:	Skin Sens. 1B - H317
CAMPHOR	<1%
CAS number:	76-22-2
EC number:	200-945-0
Classification:	Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H332 STOT SE 2 - H371

The Full Text for all Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
INGESTION:	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
SKIN CONTACT:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
EYE CONTACT:	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
GENERAL INFORMATION:	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
NOTES FOR THE DOCTOR:	No specific recommendations.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Foam, carbon dioxide or dry powder.
UNSUITABLE EXTINGUISHING MEDIA:	Water.
SPECIFIC HAZARDS:	Toxic gases or vapours.
PROTECTIVE ACTIONS DURING FIREFIGHTING:	Containers close to fire should be removed or cooled with water.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.
ENVIRONMENT PRECAUTIONS:	Do not discharge into drains or watercourses or onto the ground.
CLEANING UP METHODS FOR SPILLAGES:	Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.
OCCUPATIONAL HYGIENE:	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.
STORAGE PRECAUTIONS:	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

OCCUPATIONAL EXPOSURE LIMITS:

CAMPHOR

LONG-TERM EXPOSURE LIMIT (8-HOUR TWA):

WEL 2ppm 13mg/m²

SHORT-TERM EXPOSURE LIMIT (15-MINUTE):

WEL 3ppm 19mg/m²

WEL = WORKPLACE EXPOSURE LIMIT

PROTECTIVE EQUIPMENT:



APPROPRIATE ENGINEERING CONTROLS:

Provide adequate ventilation.

EYE/FACE PROTECTION:

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

HAND PROTECTION:

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

OTHER SKIN AND BODY PROTECTION:

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

HYGIENE MEASURES:

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

RESPIRATORY PROTECTION:

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

ENVIRONMENTAL EXPOSURE CONTROLS:

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Liquid.

COLOUR:

Yellow.

ODOUR:

Characteristic.

FLASH POINT °C:

72°C

SPECIFIC GRAVITY @ 20°C:

~ 1.020 @ 20°C

REFRACTIVE INDEX @ 20°C:

~ 1.596 @ 20°C

10: STABILITY AND REACTIVITY

STABILITY:

Stable at normal ambient temperatures.

POSSIBILITY OF HAZARDOUS REACTIONS:

Will not polymerise.

CONDITIONS TO AVOID:

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID:

Strong oxidising agents. Strong acids. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11: TOXICOLOGICAL INFORMATION

EYE CONTACT: Causes serious eye irritation.
SKIN CONTACT: Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

ACUTE TOXICITY - ORAL

ATE oral (mg/kg) 50,000.0

ACUTE TOXICITY - DERMAL

ATE dermal (mg/kg) 1,392.41

CINNAMAL

Acute toxicity - oral

Acute toxicity oral (LD₅₀mg/kg) 2,500.0

Species Rat

ATE oral (mg/kg) 2,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀mg/kg) 1,100.0

Species Rat

ATE dermal (mg/kg) 1,100.0

BENZYL BENZOATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀mg/kg) 1,500.0

Species Mouse

ATE oral (mg/kg) 1,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀mg/kg) 4,000.0

Species Rabbit

ATE dermal (mg/kg) 4,000.0

12: ECOLOGICAL INFORMATION

ECOTOXICITY: Harmful to aquatic life with long lasting effects.

TOXICITY:

BENZYL BENZOATE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

LIMONENE

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

PERSISTENCE AND DEGRADABILITY:

The product is not expected to be biodegradable.

BIOACCUMULATIVE POTENTIAL:

The product does not contain any substances expected to be bioaccumulating.

MOBILITY IN SOIL:

The product is insoluble in water.

RESULTS OF PBT AND vPvB ASSESSMENT:

This product does not contain any substances classified as PBT or vPvB.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Dispose of waste product or used containers in accordance with local regulations

14: TRANSPORT INFORMATION

UN No. ROAD:

Not applicable.

PROPER SHIPPING NAME:

Not applicable.

TRANSPORT HAZARD CLASS(ES):

No transport warning sign required.

PACKING GROUP:

Not applicable.

ENVIRONMENTAL HAZARDS:

Environmentally hazardous substance/marine pollutant:
No.

TRANSPORT IN BULK ACCORDING TO ANNEX II
OF MARPOL73/78 AND THE IBC CODE:

Not applicable.

15: REGULATORY INFORMATION

EU LEGISLATION:

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 (as amended).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

GUIDANCE:

Workplace Exposure Limits EH40

16: OTHER INFORMATION

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

European Chemicals Agency, <http://echa.europa.eu/>

HAZARD STATEMENTS IN FULL

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H371 May cause damage to organs (Central nervous system, Kidneys) if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.