



24 CHATHAM PLACE, BRIGHTON, BN1 3TN (UK)
 TEL. (UK) 0845 310 8066 International Tel. +44 1273 746505
 EMAIL: info@nhrorganicoils.com Web Site: www.nhrorganicoils.com


Safety Data Sheet

Organic Cinnamon Essential Oil - Bark (*Cinnamomum zeylanicum*)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Cinnamon Bark Oil Organic			
Biological Definition		The volatile oil expressed from the bark of the Ceylon Cinnamon, <i>Cinnamomum zeylanicum</i> , Lauraceae.			
INCI Name		Cinnamomum Zeylanicum Bark Oil			
Synonyms & Trade Names		-			
CAS-No	84649-98-9	EC No.	283-479-0	EINECS No.	283-479-0
1.2 Relative identified uses of the substance or mixture and uses advised against					
Product uses: flavours, fragrances.					
1.3 Details of the supplier of the safety data sheet					
NHR Organic Oils, 24 Chatham Place, Brighton, UK. Email – info@nhrorganicoils.com					
1.4 Emergency Tel. No.		+ 44 (0) 1273 746505			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data available.	
Classification (EC 1272/2008)	
Acute Toxicity - Dermal Category 4	H312, Harmful in contact with skin.
Skin Corrosion / Irritation Category 2	H315, Causes skin irritation.
Eye Damage / Irritation Category 2	H319, Causes serious eye irritation.
Sensitization - Skin Category 1	H317, May cause an allergic skin reaction.
Hazardous to the Aquatic Environment - Long-term Hazard Category 3	H412, Harmful to aquatic life with long lasting effects.
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	
	
Signal Word	Warning.
Contains	Turpentine oil, cinnamic aldehyde, 1,8-cineole, limonene, eugenol.
Hazard Statements	
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	
P261, Avoid breathing vapour or dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid release to the environment. P280, Wear protective gloves/eye protection/face protection. P302/352, IF ON SKIN: Wash with plenty of soap and water. P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312, Call a POISON CENTRE or doctor/physician if you feel unwell. P333/313, If skin irritation or rash occurs: Get medical advice/attention. P337/313, If eye irritation persists: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	None.
Adverse effects on human health	None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		
< 87.75% Cinnamaldehyde	Cas. No: 104-55-2	EC No: 203-213-9
Classification (EC 1272/2008)	ATD 4-SCI 2-EDI 2-SS 1A; H312-H315-H317-H319,-	
< 2.625% Coumarin	Cas. No: 91-64-5	EC No: 202-086-7
Classification (EC 1272/2008)	ATO 4-SS 1B;H302-H317,-	
< 2.125% Eugenol	Cas. No: 97-53-0	EC No: 202-589-1
Classification (EC 1272/2008)	EDI 2-SS 1B;H317-H319,-	
< 1.75% Benzaldehyde	Cas. No: 100-52-7	EC No: 202-860-4
Classification (EC 1272/2008)	ATO 4-ATI 4-EDI 2-STOSE 3(RI);H302-H319-H332- H335,-	
< 1.625% beta- Carylophyllene	Cas. No: 87-44-5	EC No: 201-746-1
Classification (EC 1272/2008)	AH 1;H304,-	
< 1.375% Cinnamyl alcohol	Cas. No: 104-54-1	EC No: 203-212-3
Classification (EC 1272/2008)	SS 1B;H317,-	
< 0.625% p-Cymene	Cas. No: 99-87-6	EC No: 202-796-7
Classification (EC 1272/2008)	FL 3-AH 1-EH C2;H226- H304-H411,-	

< 0.525% Benzyl benzoate	Cas. No: 120-51-4	EC No: 204-402-9
Classification (EC 1272/2008)	ATO 4-EH A1-EH C2; H302-H400-H411,-	
< 0.5% Linalool	Cas No: 78-70-6	EC No: 201-134-4
Classification (EC 1272/2008)	SCI 2-EDI 2-SS 1B;H315- H317-H319,-	
< 0.4% d,l-Limonene (isomer unspecified)	Cas. No: 7705-14-8	EC No: 231-732-0
Classification (EC 1272/2008)	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304- H315-H317-H410,-	
< 0.25% Eucalyptol	Cas. No:470-82-6	EC No: 207-431-5
Classification (EC 1272/2008)	FL 3-SS 1B;H226-H317,-	
< 0.25% Terpinolene	Cas. No: 586-62-9	EC No: 209-578-0
Classification (EC 1272/2008)	SS 1B-AH 1-EH A1-EH C1; H304-H317-H410,-	
< 0.125% alpha-Pinene	Cas. No: 80-56-8	EC No: 201-291-9
Classification (EC 1272/2008)	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304- H315-H317-H410,-	
< 0.05% beta-Pinene	Cas. No: 127-91-3	EC No: 204-872-5
Classification (EC 1272/2008)	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H304- H315-H317-H410,-	

4. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove casualty to fresh air, remove any contaminated clothing. Seek medical advice for any breathing difficulty. Call a POISON CENTRE or doctor/physician if you feel unwell.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Seek medical advice immediately. Call a POISON CENTRE or doctor/physician if you feel unwell.
Skin Contact	Wash off affected area with soap and running water. If irritation persists seek medical advice. Call a POISON CENTRE or doctor/physician if you feel unwell.
Eye Contact	Irrigate eye with plenty of water for 15 minutes with lids held open. Seek medical advice if irritation persists. Call a POISON CENTRE or doctor/physician if you feel unwell.
4.2 Most important symptoms and effects, both acute and delayed	
Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
4.3 Indication of any immediate medical attention and special treatment needed	
None expected, see Section 4.1 for further information.	

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Extinguishing media: Carbon dioxide (CO ₂). Dry Chemical Powder. Foam.

5.2 Special hazards arising from the product

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.

6.3 Methods and material for containment and cleaning up.

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections

Section 8 - Exposure controls/personal protection for further information on personal precautions.
Section 13 - Disposal Considerations for further information on waste treatment.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s)

Flavours, Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Workplace exposure limits: Not Applicable

8.2 Exposure controls

Protective Equipment



Process Conditions

No additional data available.

Engineering Measures

No additional data available.

Respiratory Equipment

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be

	used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material. Also refer to Sections 2 and 7.
Hand Protection	Wear protective gloves/eye protection/face protection
Eye Protection	Wear protective gloves/eye protection/face protection
Other Protection	Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid inhalation of the product. Avoid contact with skin and eyes.
Skin Protection	Wear protective clothing to reduce the risk of skin and eye contact.
Environmental Exposure Controls	Avoid discharging into drainage water.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear liquid, pale to dark yellow.
Colour	Pale to dark yellow.
Odour	Characteristic – spicy, sweet tenacious.
Relative Density	1.000 - 1.050 @20°C
Flash Point (°C)	70
Refractive Index	1.565 - 1.600 @20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	No additional data available.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Presents no significant reactivity hazard, by itself or in contact with water.	
10.2 Chemical stability	
Chemically stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
Not expected under normal conditions of use.	
10.4 Conditions to Avoid	
Avoid extreme heat.	
10.5 Incompatible materials	
Avoid strong acids, alkalis and oxidising agents	
10.6 Hazardous Decomposition Products	
Not expected.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Assumed Toxicity Values:- (LD50 or ATE) for Acute Oral Toxicity: 2323.01 (LD50 or ATE) for Acute Dermal Toxicity: 1253.56 (LC50 or ATE) for Acute Inhalation Toxicity: Not Available Inhalation Route: Not Available Refer to Section 2 for additional information.
Skin corrosion / irritation	Harmful in contact with skin. Causes skin irritation.
Serious eye damage / irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Harmful to aquatic life with long lasting effects.	
12.2 Persistence & degradability	
No additional data available.	
12.3 Bioaccumulation Potential	
No additional data available.	
12.4 Mobility in soil	
No additional data available.	
12.5 Results of PBT and vPvB Assessment	
This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.	
12.6 Other adverse effects	
Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not classified.
UN No. SEA	Not classified.
UN No. AIR	Not classified.

14.2 UN proper shipping name
None.
14.3 Transport hazard class(es)
None.
14.4 Packing group
None.
14.5 Environmental hazards
No additional data available.
14.6 Special precautions for user
See sections 6 – 8.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
Not defined.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
<p><u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p><u>Approved Code of Practise</u> Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.</p> <p><u>Guidance Notes</u> CHIP for everyone HSG(108). Workplace Exposure Limits EH40</p> <p><u>EU Legislation</u> 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), establishing a 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 Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p>
15.2 Chemical safety assessment
An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>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. H335, May cause respiratory irritation. 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.</p>
Other Information	Key abbreviations:

	AH 1 Aspiration Hazard Category 1 ATD 4 Acute Toxicity - Dermal Category 4 ATI 4 Acute Toxicity - Inhalation Category 4 ATO 4 Acute Toxicity - Oral Category 4 EDI 2 Eye Damage / Irritation Category 2 EH A1 Hazardous to the Aquatic Environment - Acute Hazard Category 1 EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1 EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 FL 3 Flammable Liquid, Hazard Category 3
Revision Date	15/11/2016
Reason for revision	New SDS.
Rev No/Repl, SDS Generated	01

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.