



Huiqili & Company

Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Cinnamon Bark Oil.			
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					
No additional data available.					
1.3 Details of the supplier of the safety data sheet					
Huiqili (Guangzhou) Supply Chain Technology Co., Ltd. Email-hiqili.co@gmail.com. official. website-www.hiqili.com					
1.4 Emergency Tel. No.		+ 86 19124389627			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
No additional data available.	
Classification (EC 1272/2008)	
Acute dermal toxicity, Category 4 (Acute Tox. 4, H312). Skin irritation, Category 2 (Skin Irrit. 2, H315). Eye irritation, Category 2 (Eye Irrit. 2, H319). Skin sensitisation, Category 1A (Skin Sens. 1A, H317). Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412). This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	
Signal Word	Warning
Contains	EC 202-589-1 EUGENOL EC 207-431-5 EUCALYPTOL EC 227-813-5 D-LIMONENE EC 201-291-9 ALPHA-PINENE X EC 203-212-3 CINNAMIC ALCOHOL EC 204-872-5 B-PINENE
Hazard Statements	

<p>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.</p>	
Precautionary Statements	
<p>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 soap and 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.</p>	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures	
50 - 100% Cinnamic aldehyde	Cas: 104-55-2 EC: 203-213-9
Classification (EC 1272/2008)	GHS07, Wng Acute Tox. 4, H312, Eye Irrit. 2, H319, Skin Irrit. 2, H315 Skin Sens. 1A, H317
2.5 - 10% Eugenol	Cas: 97-53-0 EC: 202-589-1
Classification (EC 1272/2008)	GHS07, Wng Eye Irrit. 2, H319, Skin Sens. 1B, H317
2.5 - 10% Eucalyptol	Cas: 470-82-6 EC: 207-431-5
Classification (EC 1272/2008)	GHS02, GHS07, Wng Flam. Liq. 3, H226, Skin Sens. 1B, H317
2.5 - 10% Linalool	Cas: 78-70-6 EC: 201-134-4
Classification (EC 1272/2008)	GHS07, Wng Eye Irrit. 2, H319, Skin Irrit. 2, H315
≤ 2.5% A-Phellandrene	Cas: 99-83-2 EC: 202-792-5
Classification (EC 1272/2008)	GHS08, GHS02, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226,

≤ 2.5% Para Cymene	Cas: 99-87-6 EC: 202-796-7
Classification (EC 1272/2008)	GHS08, GHS02, GHS09, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Aquatic Chronic 2, H411
≤ 2.5% Alpha Terpineol	Cas: 98-55-5 EC: 202-680-6
Classification (EC 1272/2008)	GHS07, Wng Eye Irrit. 2, H319, Skin Irrit. 2, H315
≤ 2.5% d-Limonene	Cas: 5989-27-5 EC: 227-813-5
Classification (EC 1272/2008)	GHS08, GHS02, GHS07, GHS09, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317, Aquatic Acute 1, H400, M Acute = 1 Aquatic Chronic 1, H410, M Chronic = 1
≤ 2.5% Benzyl Benzoate	Cas: 120-51-4 EC: 204-402-9
Classification (EC 1272/2008)	GHS07, GHS09, Wng Acute Tox. 4, H302, Aquatic Chronic 2, H411
≤ 2.5% Camphene	Cas: 79-92-5 EC: 201-234-8
Classification (EC 1272/2008)	GHS02, GHS07, GHS09, Wng Eye Irrit. 2, H319, Flam. Sol. 2, H228, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410, M Chronic = 1
≤ 2.5% Alpha Pinene X	Cas: 80-56-8 EC: 201-291-9
Classification (EC 1272/2008)	GHS08, GHS02, GHS07, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317
≤ 2.5% Cinnamic Alcohol	Cas: 104-54-1 EC: 204-212-3
Classification (EC 1272/2008)	GHS07, Wng Skin Sens. 1B, H317
≤ 2.5% B Pinene	Cas: 127-91-3 EC: 204-872-5
Classification (EC 1272/2008)	GHS08, GHS02, GHS07, Dgr Asp. Tox. 1, H304, Flam. Liq. 3, H226, Skin Irrit. 2, H315 Skin Sens. 1B, H317

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move the exposed person to fresh air at once. Seek medical attention if discomfort continues.
Ingestion	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label.

Skin Contact	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Remove any soiled or splashed clothing immediately. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
Eye Contact	Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.
4.2 Most important symptoms and effects, both acute and delayed	
No additional data available.	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Non flammable Extinguishing media: Carbon dioxide (CO ₂). Dry Chemical Powder. Foam. Unsuitable extinguishing media: Do not use direct water jet on burning material.	
5.2 Special hazards arising from the product	
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed: - carbon monoxide (CO) - carbon dioxide (CO ₂)	
5.3 Advice for firefighters	
No additional data available.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Consult the safety measures listed under headings 7 and 8. <i>For non first aid worker</i> Avoid any contact with the skin and eyes. <i>For first aid worker</i> First aid workers will be equipped with suitable personal protective equipment (See section 8).	
6.2 Environmental Precautions	
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways.	
6.3 Methods and material for containment and cleaning up.	
Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to local authority regulations. Clean preferably with a detergent, do not use solvents.	
6.4 Reference to other sections	
See sections 7 & 8.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture. Always wash hands after handling.	

Remove and wash contaminated clothing before re-using.

Fire prevention

Prevent access by unauthorised personnel.

Recommended equipment and procedures

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid skin and eye contact with this mixture.

Prohibited equipment and procedures

No smoking, eating or drinking in areas where the mixture is used.

7.2 Conditions for safe storage, including any incompatibilities

Always keep in packaging made of an identical material to the original.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits :

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010)

CAS	TWA	STEL	Ceiling	Definition	Criteria
80-56-8	20 ppm			SEN; A4	
127-91-3	20 ppm			SEN; A4	

Germany - AGW (BAuA - TRGS 900, 21/06/2010)

CAS	VME	VME	Excess Notes
5989-27-5		5 ppm 28 mg/m ³	

Derived no effect level (DNEL) or derived minimum effect level (DMEL)

LINALOOL (CAS: 78-70-6)

Final use:	Workers.
Exposure method:	Dermal contact.
Potential health effects:	Short term systemic effects.
DNEL :	5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Short term local effects.
DNEL :	15 mg of substance/cm ²
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	2.5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	15 mg of substance/cm ²
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	16.5 mg of substance/m ³
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	2.8 mg of substance/m ³
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Short term systemic effects.
DNEL :	1.2 mg/kg body weight/day

Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	0.2 mg/kg body weight/day
Exposure method:	Dermal contact
Potential health effects:	Short term systemic effects.
DNEL :	2.5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Short term local effects.
DNEL :	15 mg of substance/cm ²
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	1.25 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	15 mg of substance/cm ²
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	4.1 mg of substance/m ³
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	0.7 mg of substance/m ³

Predicted no effect concentration (PNEC)

LINALOOL (CAS: 78-70-6)

Environmental compartment:	Soil.
PNEC :	0.327 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.2 mg/l
Environmental compartment:	Sea water.
PNEC :	0.02 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	2 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	2.22 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.222 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	10 mg/l

8.2 Exposure controls

Protective Equipment



Process Conditions	No additional data available.
Engineering Measures	No additional data available.
Respiratory Equipment	Ensure area is well ventilated. Avoid vapour inhalation.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be

	<p>handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.</p> <p>Recommended properties :</p> <p>- Impervious gloves in accordance with standard EN374</p>
Eye Protection	<p>Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.</p>
Other Protection	Avoid inhalation of the product. Avoid contact with skin and eyes.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	<p>Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.</p>
Skin Protection	<p>Avoid skin contact. Wear suitable protective clothing.</p> <p>Suitable type of protective clothing :</p> <p>In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.</p> <p>In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.</p> <p>Work clothing worn by personnel shall be laundered regularly.</p> <p>After contact with the product, all parts of the body that have been soiled must be washed.</p>
Environmental Exposure Controls	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear liquid.
Colour	Yellow.
Odour	Characteristic – spicy, sweet tenacious.
Relative Density	1.000 - 1.050 @20°C
Flash Point (°C)	60°C < FP <= 93°C
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	Sparingly soluble in water. Soluble in oil.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity
Stable under normal handling conditions.
10.2 Chemical stability
Chemically stable under the recommended handling and storage conditions.
10.3 Possible hazardous reactions
No additional data available.
10.4 Conditions to Avoid
No additional data available.
10.5 Incompatible materials
No additional data available.
10.6 Hazardous Decomposition Products
The product does not decompose under normal conditions. Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects																	
Acute Toxicity	<p>Harmful in contact with skin. May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. May cause an allergic reaction by skin contact.</p> <p><u>Acute Toxicity</u></p> <table> <tr> <td>CINNAMIC ALCOHOL (CAS: 104-54-1)</td> <td>Oral route : LD50 = 2500 mg/kg</td> </tr> <tr> <td>ALPHA-PINENE X (CAS: 80-56-8)</td> <td>Oral route : LD50 = 3500 mg/kg</td> </tr> <tr> <td>ALPHA-TERPINEOL (CAS: 98-55-5)</td> <td>Oral route : LD50 = 4300 mg/kg</td> </tr> <tr> <td>PARA-CYMENE (CAS: 99-87-6)</td> <td>Oral route : LD50 = 4750 mg/kg</td> </tr> <tr> <td>LINALOOL (CAS: 78-70-6)</td> <td>Oral route : LD50 = 2790 mg/kg</td> </tr> <tr> <td>EUCALYPTOL (CAS: 470-82-6)</td> <td>Oral route : LD50 = 2480 mg/kg</td> </tr> <tr> <td>EUGENOL (CAS: 97-53-0)</td> <td>Oral route : LD50 = 2300 mg/kg</td> </tr> <tr> <td>CINNAMIC ALDEHYDE * (CAS: 104-55-2)</td> <td>Oral route : LD50 = 2500 mg/kg Dermal route : LD50 = 1100 mg/kg</td> </tr> </table>	CINNAMIC ALCOHOL (CAS: 104-54-1)	Oral route : LD50 = 2500 mg/kg	ALPHA-PINENE X (CAS: 80-56-8)	Oral route : LD50 = 3500 mg/kg	ALPHA-TERPINEOL (CAS: 98-55-5)	Oral route : LD50 = 4300 mg/kg	PARA-CYMENE (CAS: 99-87-6)	Oral route : LD50 = 4750 mg/kg	LINALOOL (CAS: 78-70-6)	Oral route : LD50 = 2790 mg/kg	EUCALYPTOL (CAS: 470-82-6)	Oral route : LD50 = 2480 mg/kg	EUGENOL (CAS: 97-53-0)	Oral route : LD50 = 2300 mg/kg	CINNAMIC ALDEHYDE * (CAS: 104-55-2)	Oral route : LD50 = 2500 mg/kg Dermal route : LD50 = 1100 mg/kg
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Skin corrosion / irritation	No additional data available.																
Serious eye damage / irritation	No additional data available.																
Respiratory or skin sensitisation	No additional data available.																
Germ Cell Mutagenicity	No additional data available.																
Carcinogenicity	<p>CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans. CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.</p>																
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. The product must not be allowed to run into drains or waterways.
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
No additional data available.
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC. <u>Waste treatment methods</u> Do not pour into drains or waterways. <u>Waste</u> Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment. <u>Soiled packaging</u> Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

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	H226 Flammable liquid and vapour. H228 Flammable solid. 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. 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.
Other Information	None.
Revision Date	31/01/2021
Reason for revision	Updated SDS.
Rev No/Repl, SDS Generated	02, replaces 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.