

CERTIFICATE OF ANALYSIS

MATERIAL	HO WOOD OIL CHINESE
EINECS CAS NUMBER	91745-89-0
CAS NUMBER	8022-91-1
EC NUMBER	294-760-2
BATCH	4401964
BEST BEFORE END	JULY 2023

Appearance	Colourless to pale yellow liquid
Odour	Floral
Optical Rotation @ 20°C	-17.85
Specific Gravity @ 20°C	0.86
Refractive Index @ 20°C	1.462
Main Peak	98.20%
Flashpoint	81°C
Solubility	Soluble in ethanol

Storage

Original unopened container, at ambient temperature, under dry conditions and away from light. The shelf life is not valid out of the mentioned conditions.

Handling

According to IFRA Code of Practice.

Recommended Uses

Multiple uses.

Caution

Concentrated product avoid contact with eyes and mucous. Do not drink.



ALLERGEN LISTING

MATERIAL NAME: HO WOOD OIL

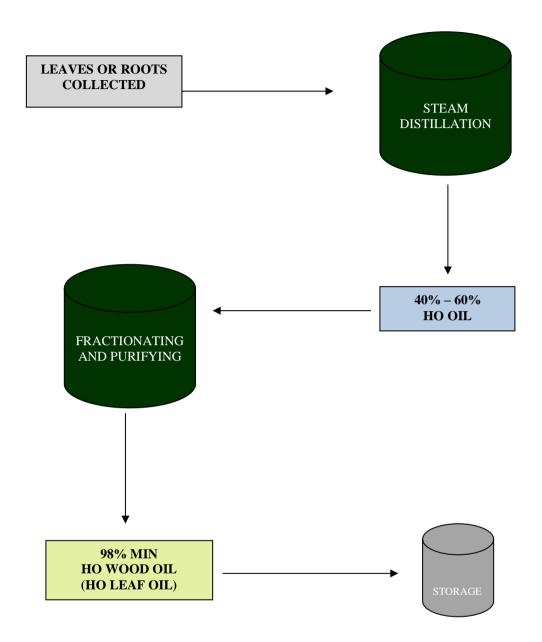
INGREDIENT	CAS No.	TOTAL
Alpha-Isomethylionone	127-51-5	А
Amyl Cinnamal	122-40-7	А
Amylcinnamyl Alcohol	101-85-9	А
Anise Alcohol	105-13-5	А
Benzyl Alcohol	100-51-6	А
Benzyl Benzoate	120-51-4	А
Benzyl Cinnamate	103-41-3	Α
Benzyl Salicylate	118-58-1	Α
Butylphenyl Methylpropional (Lilial)	80-54-6	А
Cinnamal	104-55-2	А
Cinnamyl Alcohol	104-54-1	А
Citral	106-26-3	Α
	141-27-5	Α
	5392-40-5	Α
Citronellol	106-22-9	Α
	1117-61-9	Α
	141-25-3	А
	6812-78-8	Α
	68916-43-8	Α
	7540-51-4	Α
Coumarin	91-64-5	А
Eugenol	97-53-0	А
Evernia Furfuraceae (Tree Moss) Extract	90028-67-4	А
Evernia Prunastri (Oak Moss) Extract	90028-68-5	Α
Farnesol	4602-84-0	Α
Geraniol	106-24-1	0.40%
Hexyl Cinnamal	101-86-0	Α
Hydoxycitronellal	107-75-5	Α
Hydroxyisohexyl 3-Cyclohexene Carbocaldehyde (Lyral)	31906-04-4	Α
Isoeugenol	97-54-1	Α
Limonene	138-86-3	Α
	5989-27-5	0.20%
	5989-54-8	A
Linalool	126-90-9	A
	126-91-0	A
	78-70-6	99.00%
Methyl 2-Octynoate	111-12-6	А

* A denotes absent

Printed on 21/05/2020



PROCESSING – HO WOOD OIL FLOW CHART





GMO DECLARATION

MATERIAL	HO WOOD OIL
	I TO WOOD OIL

To the best of our knowledge and from information received from our supplier, this product does not derive from genetically modified starting raw material, or additives that are derived from genetically modified organisms.

21 May 2020



We certify that the above substance is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), 49th Amendment to the IFRA Code of Practice (published January, 2020). It does not appear in the IFRA list of standards and so no information is available on its use in the IFRA Classes:

IFRA Class(es) (See respective IFRA guidance for details)	Level of Use (%)
-	-

The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSITUTE FOR FRAGRANCE MATERIALS (RIFM).

Recommendation: Information about presence and concentration of IFRA restricted/prohibited materials in the Ho Wood Oil is as follows:

IFRA Restricted Materials:

Ingredient Name	CAS No.	Concentration
Linalool	78-70-6	>90%
Geraniol	106-24-1	<1%

IFRA Prohibited Materials: None

Ingredient Name	CAS No.	Concentration %
-	-	-

DISCLAIMER: This Certificate provides restriction for the use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents.



1 Iden	1 Identification of the Substance/Mixture and of the Company/Undertaking		
1.1	Trade Name	HO WOOD OIL	
	INCI Name	CINNAMOMUM CAMPHORA LINALOOLIFERUM WOOD	
		OIL	
	EINECS CAS Number	91745-89-0	
	CAS Number	8022-91-1	
	EC Number	294-760-2	
	FEMA Number	2635	
	REACH Registration Number	01-2119474016-42-XXXX	
1.2	Relevant Identified Uses of	Industrial, only for professional use.	
	the Substance or Mixture		
	and Uses Advised Against		
1.3	Details of the Supplier of	MADAR Corporation Limited	
	the Safety Data Sheet	19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6	
		1PA	
		TEL: 01425 655555	
		EMAIL: technical@madarcorporation.co.uk	

2 Hazards Identification2.1 Classification of the Substance or Mixture:

Classification	Physical Hazards	Not classified.
(EC 1272/2008)	Health Hazards	Skin Irrit. 2 – H315
		Eye Irrit. 2 – H319
		Skin Sens. 1B – H317
	Environmental Hazards	Not classified.
	Human Health	Causes serious eye irritation. May cause an
		allergic skin reaction. Causes skin irritation.

2.2 Label Elements:

Hazard Pictograms:



Signal Word	WARNING
Hazard Statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P262	Do not get in eyes, on skin, or on clothing.



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. Continue rinsing.	
P332+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	

Supplementary Precautionary Statements:

	•	
P261	Avoid breathing vapour/spray.	
P264	Wash contaminated skin thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P312	Call a POISON CENTRE/doctor if you feel unwell.	
P321	Specific treatment (see medical advice on this label).	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P362+P364	Take off contaminated clothing and wash it before reuse.	
P405	Store locked up.	
P501	Dispose of contents/container to local/regional/national/international	
	regulations.	

3 Composition/Information on Ingredients

3.1	Substances	Product Name	HO WOOD OIL
	Identification Number(s)	EINECS CAS Number	91745-89-0
		CAS Number	8022-91-1
		EC Number	294-760-2

3.2 Contains:

ID Numbers	Chemical Name, Classification & Hazards	Quantity
CAS: 78-70-6	Linalool	50 – 100%
EC: 201-134-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 586-62-9	Terpinolene	≤2.5%
EC: 209-578-0	Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1,	
	H410; Skin Sens. 1B, H317	
CAS: 5989-54-8	(S)-p-mentha-1, 8-diene	≤2.5%
EC: 227-815-6	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400;	
	Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1B, H317	

For the wording of the listed Hazard Statements, see Section 16.

<mark>4 First Aid Measures</mark>

4.1 Description of First Aid Measures:

Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfor continues.	
Ingestion	Give a few small glasses of water or milk to drink. Do not induce vomiting. Get medical attention if any discomfort continues.	



Skin	n Contact Wash skin thoroughly with soap and water. Continue rinsing for at least 10 minutes. Remove contaminated clothing. Get medical attention if any discomfort continues.				
Eye				ses and open eyelids wide apart. Continue to rinse for a edical attention if any discomfort continues.	
4.2		portant ms and Effects, ute and Delayed	desc	most important known symptoms and effects are ribed in the labelling (see Section 2.2) and/or in Section	
Fire	-fighting N				
5.1		Extinguishing Mo		Use alcohol-resistant foam, Carbon dioxide (CO2) of dry powder to extinguish.	
		le Extinguishing		For safety reasons do not use full water jet.	
5.2	-	azards Arising fr e or Mixture	om the	This product burns with emission of toxic gases o carbonic Oxide.	
5.3	Advice fo	r Fire-fighters		Wear full protective clothing.	
6.1		ease Measures Precautions,	Арі	ply good manufacturing practice and industrial hygiend	
		ency Procedures cor Kee		ctices. Keep containers sealed when not in use. Avoid intact with skin and eyes. Avoid inhalation of vapours ep away from heat, hot surfaces, sparks, open flames and er ignition sources. No smoking.	
6.2	Environn	nental Precautio		not discharge into drains, water courses or onto the und.	
6.3	Containn	and Material fo nent and Cleanin	g dry	ver with inert, inorganic, non-combustible material (e.glime, sand, soda ash). Place in covered containers and	
7 Han	Up Idlina and	Storage	uis	pose of in accordance with local authority guidelines.	
7.1	- 3	ons for Safe	Annly s	good manufacturing practice and industrial hygiene	
	Handling		practices. Keep containers sealed when not in use. Provide eyewash station. Provide adequate ventilation. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.		
7.2		ns for Safe Including any tibilities	ling any sparks and open flame.		



8 Exposure Controls/Personal Protection

8.1 Exposure Controls:

8.1 Exposure Controls:	
Protective Equipment	
Appropriate Engineering	Provide eyewash station. Provide adequate ventilation.
Controls	
Personal Protection	General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.
Eye/Face Protection	Approved safety goggles.
Hand Protection	Chemical resistant gloves (PVC).
Other Skin and Body	Wear apron or protective clothing in case of contact.
Protection	
Hygiene Measures	Good personal hygiene procedures should be implemented.
Respiratory Protection	Generally unnecessary in a well-ventilated area. If ventilation is
	insufficient, respiratory protection must be worn.
Environmental Exposure	Avoid discharging into drains.
Controls	

9 Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties:

Appearance	Liquid.
Colour	Colourless to pale yellow.
Odour	Floral.
Initial Boiling Point and Range	194 to 199°C
Flash Point (Closed Cup)	>77°C
Relative Density @ 20°C	0.8580 to 0.8670
Solubility(ies)	Insoluble in water.
Decomposition Temperature	>200°C
Viscosity @ 25°C	4.4 mPa s
Optical Rotation	-20.0 to -13.0
Refractive Index @ 20°C	1.4510 to 1.4650
Molecular Weight	154.25

10 Stability and Reactivity

10.1	Reactivity	No data available.	
10.2	Chemical Stability	Stable under the prescribed storage conditions.	
10.3	Possibility of Hazardous	No data available.	
	Reactions		



10.4	Conditions to Avoid	Avoid heat, flames and other sources of ignition.
10.5	Incompatible Materials	Strong oxidising agents.
10.6	Hazardous Decomposition	Carbon monoxide (CO), Carbon dioxide (CO2).
	Products	

11 Toxicological Information

11.1 Information on Toxicological Effects:

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Acute Toxicity – Oral	LD50 2.790 mg/kg, Oral, Rat.
Notes (Oral LD50)	
Acute Toxicity – Dermal	LD50 5.610 mg/kg, Dermal, Rabbit.
Notes (Dermal LD50)	
Acute Toxicity – Inhalation	LC50 >3.2 mg/l, Inhalation, Mouse.
Notes (Inhalation LC50)	
Skin Corrosion/Irritation	Skin irritation.
Serious Eye Damage/Irritation	Irritating to eyes.
Skin Sensitisation	Not sensitising.

12 Ecological Information

12.1	Toxicity	Ecotoxicity	No data available.
12.2	Persistence and Degradability	The substance	is readily biodegradable.
12.3	Bioaccumulative Potential	No data available.	
12.4	Mobility in Soil	No data available.	
12.5	Results of PBT and vPvB	No data availa	ble.
	Assessment		
12.6	Other Adverse Effects	No data available.	

13 Disposal Considerations

13.1 Waste Treatment Methods:

Disposal Methods	Dispose of waste to licensed waste disposal site in accordance with the
	requirements of the local Waste Disposal Authority.

14 Transport Information

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1	UN Number	Not applicable.
14.2	UN Proper Shipping Name	Not applicable.
14.3	Transport Hazard Class(es)	No transport warning sign required.
14.4	Packing Group	Not applicable.
14.5	Environmental Hazards	No.
14.6	Special Precautions for User	Not applicable.
14.7	Transport in Bulk According	Not applicable.
	to Annex II of MARPOL and	
	the IBC Code	



15 Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

EU Legislation	Regulation (EC) No. 1272/2008 of the European Parliament and of the Council	
	of 16 th December 2008 on classification, labelling and packaging of substances	
	and mixtures (as amended).	
Guidance	CHIP for everyone HSG228.	

15.2 Chemical Safety Assessment:

Inventories	EU – EINECS/ELINCS	Present.
	Canada – DSL/NDSL	Present.
	US - TSCA	Present.
	US – TSCA 12(b) Export	Not listed.
	Notification	
	Australia – AICS	Present.
	Japan – ENCS	Present.
	Korea – KECI	Present.
	China – IECSC	Present.
	Philippines – PICCS	Present.
	New Zealand – NZIOC	Present.
	Taiwan - NECI	Present.

16 Other Information

16.1 Hazard Statements in Full:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

16.2 Relevant Statements Used in Section 3:

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.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	

WARNING/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.



SPECIFICATION

MATERIAL	HO WOOD OIL
INCI NAME	Cinnamomum camphora linalooliferum wood oil
EINECS CAS NUMBER	91745-89-0
CAS NUMBER	8022-91-1
EC NUMBER	294-760-2
REACH REGISTRATION	01-2119474016-42-XXXX
BOTANICAL NAME	Cinnamomum camphora
PLANT PART	Wood
ORIGIN	China

Appearance	Colourless to pale yellow liquid
Odour	Floral
Optical Rotation @ 20°C	-20.0 to -13.0
Specific Gravity@ 20°C	0.8590 to 0.8670
Refractive Index @ 20°C	1.4600 to 1.4640
Flashpoint	>77°C
Solubility	Soluble in ethanol

Storage

Original unopened container, at ambient temperature, under dry conditions and away from light. The shelf life is not valid out of the mentioned conditions.

Handling

According to IFRA Code of Practice.

Caution

Concentrated product avoid contact with eyes and mucous. Do not drink.

This information contained in this data sheet is to the best of our knowledge, including the data supplied by our suppliers, current at the mentioned date and remain the property of the issuer. Alteration can result of improper transport and/or storage. The certificate does not release the user from the responsibility of undertaking his own tests of conditions and suitability in the intended uses with regard to the current legal and statutory measures.

21 May 2020



VEGETARIAN & VEGAN SUITABILITY STATEMENT

MATERIAL	HO WOOD OIL

MADAR Corporation Ltd, can confirm from information received by our supplier that the above named material is suitable for Vegetarians and Vegans.

This information is valid when issued by MADAR Corporation Ltd. The information contained herein is true and accurate to the best of our knowledge. All information is valid until revisions are issued. We will not therefore accept liability for misuse of the data resulting in damage or loss.