



Certificate of Analysis

PRODUCT DETAILS		
Product Name	YLANG YLANG I	
Product Code	OEYLAN1	
INCI Name	Cananga Odorata Flower Oil	
Batch Number	4363601	
Best Before End	June 2022	
Manufacturing Process	Steam distillation of the flowers of Cananga Odorata.	
Identification	CAS No: 84649-86-5	EINECS No: 283-467-5
	Alternative Cas: 8006-81-3	FEMA: 3119
	FDA: 182.20	CoE: 103n
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGE	RESULTS
Appearance	Liquid	Conforms
Colour	Yellow to Dark Yellow	Conforms
Odour	Flowery, Sweet	Conforms
Relative Density @ 20°C	0.933 - 0.949	0.9364
Refractive Index @ 20°C	1.495 - 1.510	1.4991
Angular Roation (°)	-17to -40	-29.43
Flash Point	86 - 89°C	87
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.



**SAFETY DATA SHEET
YLANG YLANG I**

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

1.1. Product identifier

Product name YLANG YLANG I
 Product No. OEYLAN1
 CAS-No. 83863-30-3
 EC No. 281-092-1
 Alternative Cas
 8006-81-3

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier MADAR Corporation Limited
 19-20 Sandealth Industrial Estate
 Fordingbridge
 Hampshire
 SP6 1PA

Supplier Mystic Moments, New Directions, World of Moulds

1.4. Emergency telephone number 01425 655555 During office hours

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Repr. 2 - H361d; Asp. Tox. 1 - H304
Environment	Not classified.

Classification (1999/45/EEC) Xn; R65. Repr. Cat. 3; R63. Xi; R38. R43. R52/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment

The product contains a substance which may cause long term adverse effects in the aquatic environment.

2.2. Label elements

EC No. 281-092-1
 Contains Benzyl Salicylate
 Farnesol
 GERANIOL
 p-Cresyl methyl ether

Label In Accordance With (EC) No. 1272/2008



YLANG YLANG I

Signal Word Danger

Hazard Statements

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.
H361d	Suspected of damaging the unborn child.

Supplementary Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P308+313	IF exposed or concerned: Get medical advice/attention.
P313	Get medical advice/attention.
P331	Do NOT induce vomiting.
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to ...

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Benzyl Acetate	10-30%
CAS-No.: 140-11-4	EC No.: 205-399-7
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
BENZYL BENZOATE	5-10%
CAS-No.: 120-51-4	EC No.: 204-402-9
Classification (EC 1272/2008) Acute Tox. 4 - H302 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R22 N;R51/53
Benzyl Salicylate	1-5%
CAS-No.: 118-58-1	EC No.: 204-262-9

YLANG YLANG I

<p>Classification (EC 1272/2008) Acute Tox. 5 - H303 Skin Sens. 1 - H317 Aquatic Acute 2 - H401 Aquatic Chronic 2 - H411</p>	<p>Classification (67/548/EEC) N;R51/53. R43.</p>
<p>Farnesol 1-5%</p> <p>CAS-No.: 4602-84-0 EC No.: 225-004-1</p>	
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317</p>	<p>Classification (67/548/EEC) Xi;R36/38. R43.</p>
<p>GERANIOL 1-5%</p> <p>CAS-No.: 106-24-1 EC No.: 203-377-1</p>	
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317</p>	<p>Classification (67/548/EEC) Xi;R38,R41. R43.</p>
<p>ISO-EUGENOL < 1%</p> <p>CAS-No.: 97-54-1 EC No.: 202-590-7</p>	
<p>Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317</p>	<p>Classification (67/548/EEC) Xn;R21/22. Xi;R36/38. R43.</p>
<p>Linalool 5-10%</p> <p>CAS-No.: 78-70-6 EC No.: 201-134-4</p>	
<p>Classification (EC 1272/2008) Skin Irrit. 2 - H315</p>	<p>Classification (67/548/EEC) Xi;R38.</p>
<p>Methyl Benzoate 1-5%</p> <p>CAS-No.: 93-58-3 EC No.: 202-259-7</p>	
<p>Classification (EC 1272/2008) Flam. Liq. 4 - H227 Acute Tox. 4 - H302 Skin Irrit. 3 - H316</p>	<p>Classification (67/548/EEC) Xn;R22.</p>

p-Cresyl methyl ether	5-10%
CAS-No.: 104-93-8	EC No.: 203-253-7

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 4 - H302	Xn;R22.
Skin Irrit. 2 - H315	Repr. Cat. 3;R63.
Repr. 2 - H361d	Xi;R38.
Aquatic Chronic 3 - H412	R52/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

CAS-No. 83863-30-3
 EC No. 281-092-1
 Hydrocarbon Content %
 40%

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

If swallowed, seek medical advice immediately and show the container label. DO NOT INDUCE VOMITING!

Skin contact

May cause irritation to skin. Get medical attention if irritation persists after washing.

Eye contact

May cause irritation to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

May cause irritation of the lungs

Ingestion

May be harmful if swallowed

Skin contact

May irritate skin or cause dermatitis.

Eye contact

May irritate eyes.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use as appropriate: Carbon dioxide (CO2), dry chemical or foam.

Unsuitable extinguishing media

Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated to decomposition, it emits acrid smoke as well as carbonmonoxide and carbondioxide.

5.3. Advice for firefighters
 Special Fire Fighting Procedures
 Water is unsuitable to use as an extinguishing method.
 Protective equipment for fire-fighters
 Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbant material (e.g dry-lime, sand, soda ash).

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Use in a ventilated area, away from sources of ignition. DO NOT SMOKE. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Benzyl Acetate				10 ppm	61 mg/m3	

Linalool (CAS: 78-70-6)

Ingredient Comments
 No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment



Process conditions
 Provide eyewash station.
 Engineering measures
 Provide adequate ventilation.

Respiratory equipment

For high concentrations use respiratory equipment. Hand protection

Chemical resistant gloves (PVC)

Eye protection

Wear approved safety goggles. Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Good personal hygiene practices are always advisable, especially when working with chemicals.

Personal protection

Avoid inhalation and contact with skin and eyes.

Skin protection

Wear apron or protective clothing in case of contact.

Environmental Exposure Controls

Avoid discharging into drainage water. Only eliminate by authorised companies.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Pale yellow to dark yellow
Odour	Flowery, sweet-sugary
Relative density	0.930 - 0.949 d20/20
Flash point (°C)	87

9.2. Other information

Refractive Index	1.495 - 1.510 @ 20c
Optical Rotation	-24 to -46

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong acids, alkali or oxidising agents.

10.6. Hazardous decomposition products

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

To the best of our knowledge, the chemical/physical/toxicological properties have not been thoroughly investigated.

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425653574 Email: technical@madarcorporation.co.uk

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

We have no data regarding ecotoxicity, but it must be considered that this product may be dangerous for the environment.

12.1. Toxicity

12.2. Persistence and degradability

Degradability

No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

SECTION 14: TRANSPORT INFORMATION

General

Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

Tariff Number

33012911

SECTION 15: REGULATORY INFORMATION

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

Guidance Notes

CHIP for everyone HSG(108).

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

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.
15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date	21/11/2012
Revision	1
SDS No.	10163
Date	21/09/2011
Risk Phrases In Full	
R22	Harmful if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R63	Possible risk of harm to the unborn child.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H227	Combustible liquid.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H303	May be harmful if swallowed.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

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.



Product Specification

PRODUCT DETAILS		
Product Name	YLANG YLANG I	
Product Code	OEYLAYLAI	
INCI Name	Cananga Odorata Flower Oil	
Country of Origin	Madagascar	
Tariff Number	33012911	
Natural Status	We hereby declare, to the best of our knowledge and from information received from our supplier, that this product is in accordance to the requirements of Articles 3 (2) (d) of Regulation (EC) 1334/2008 and therefore can be designated as natural.	
Food Grade Status	We confirm, from information received from our supplier, that this product conforms with EU Regulations and can be used in food.	
Kosher Certified	Yes	
Halal Certified	We hereby declare, from information received from our supplier, that this product does not contain any ingredient derived from animal origin, extracted from hair or feathers, animal fats, animal extracts, blood of any origin, blood plasma, pork and/or other meat products. This product does not contain alcohol (ethanol or grain alcohol) and has not been used in the manufacturing process.	
GMO Declaration	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.	
Manufacturing Process	Steam distillation of the flowers of Cananga Odorata.	
Identification	CAS No: 83863-30-3	EINECS No: 281-092-1
	Alternative Cas: 8006-81-3	FEMA: 3119
	FDA: 182.20	CoE: 103n
PHYSICAL AND CHEMICAL CHARACTERISTIC		
Appearance	Liquid	
Colour	Yellow to Dark Yellow	
Odour	Flowery. Sweet	
Relative Density @ 20°C	0.933 - 0.949	
Refractive Index @ 20°C	1.495 - 1.510	
Angular Roation (°)	-17 to -40	
Flash Point	86 - 89°C	
Hydrocarbon content	36%	
FRAGRANCE ALLERGENS		
Benzyl Salicylate (118-58-1) Max 3%	Benzyl Benzoate (120-51-4) 5-10%	Benzyl Cinnamate (103-41-3) <1%
Limonene (5989-27-5) <1%	Eugenol (97-53-0) <1%	Farnesol (4602-84-0) <2%
Geraniol (106-24-1) <2%	Isoeugenol (97-54-1) <1%	Linalool (78-70-6) 5-15%
FOOD ALLERGENS		
NONE PRESENT		
IFRA		
Benzyl Benzoate (120-51-4) 5-10%	p-Methylanisole (104-93-8) 1-5%	Benzyl Salicylate (118-58-1) Max 3%
Farnesol (4602-84-0) <2%	Geraniol (106-24-1) <2%	Eugenol (97-53-0) <1%
Isoeugenol (97-54-1) <1%	Ethyl Benzoate (93-89-0) <1%	Benzyl Cinnamate (103-41-3) <1%
Toluene (108-88-3) 0.0003%		
STORAGE AND SHELF LIFE		
Storage	Store in tightly closed container with minimum headspace in a cool, dark and dry place.	

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 users responsibility to satisfy himself as to the suitability of such information for his own particular use. Where MADAR Corporation make a declaration that allergenic material are not present in any product, this statement is made assuming reasonable levels of detection. It is impossible to guarantee the "absolute absence" of any material. It is the ultimate responsibility of the customer to ensure the safety of the intended final product containing this material, by carrying out additional tests if necessary.



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Ylang Ylang I Essential Oil**

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.