



Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Ylang Ylang Oil Dark			
Biological Definition		The oil obtained by the distillation of the flowers of <i>Cananga odorata</i> (DC) Hook f. et Thoms subsp. <i>genuina</i> (Fam. Anonaceae).			
INCI Name		Cananga Odorata Flower Oil			
Synonyms & Trade Names		-			
CAS-No	83863-30-3 / 8006-81-3 / 68606-83-7	EC No.	281-092-1 / - / -	EINECS No.	281-092-1 / - / -
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					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
1.4 Emergency Tel. No.		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
<p>The Full Text for all Hazard Statements are displayed in Section 16.</p> <p>Acute oral toxicity, Category 4 (Acute Tox. 4, H302). Eye irritation, Category 2 (Eye Irrit. 2, H319). Skin sensitisation, Category 1 (Skin Sens. 1, H317). Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.</p>	
Classification (EC 1272/2008)	
H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.	
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	GHS09
	
Signal Word	Warning.

Contains	607-085-00-9 BENZYL BENZOATE EC 204-262-9 BENZYL SALICYLATE EC 202-589-1 EUGENOL EC 203-253-7 P-CRESYL METHYL ETHER EC 202-259-7 METHYL BENZOATE
Hazard Statements	
H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic 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 soap and water. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. 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.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
25.0 – 50.0% Benzyl Benzoate CAS-No.: 120-51-4 EC No.: 204-402-9 Classification (EC 1272/2008) Acute Tox. 4 - H302, Aquatic Chronic 2 - H411
10.0 – 25.0% Benzyl Salicylate CAS-No.: 118-58-1 EC No.: 204-262-9 Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Sens. 1 - H317, Aquatic Acute 2 - H401, Aquatic Chronic 2 - H411
2.5 – 10.0% Benzyl Acetate CAS-No.: 140-11-4 EC No.: 205-399-7 Classification (EC 1272/2008) - None
2.5 - 10.0% Beta Caryophyllene CAS-No.: 87-44-5 EC No.: 201-746-1 Classification (EC 1272/2008) Asp. Tox. 1 - H304
2.50 – 10.0% Eugenol CAS-No.: 97-53-0 EC No.: 202-589-1 Classification (EC 1272/2008) Eye Irrit. 2 – H319, Skin Sens. 1 – H317

<p>2.5 – 10.0% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4</p> <p>Classification (EC 1272/2008) Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402</p>
<p><2.5% P-Cresyl Methyl Ether CAS-No.: 104-93-8 EC No.: 203-253-7</p> <p>Classification (EC 1272/2008) Acute Tox. 4, H302, Skin Irrit. 2, H315, Eye Irrit. 2, H319, Aquatic Chronic 3, H412</p>
<p><2.5% Methyl Benzoate CAS-No.: 93-58-3 EC No.: 202-259-7</p> <p>Classification (EC 1272/2008) Acute Tox. 4, H302</p>
<p><2.5% Cinnamyl Acetate CAS-No.: 103-54-8 EC No.: 203-121-9</p> <p>Classification (EC 1272/2008) - None</p>
<p><2.5% Geranyl Acetate CAS-No.: 105-87-3 EC No.: 203-1341-5</p> <p>Classification (EC 1272/2008) - Aquatic Chronic 2, H411</p>
<p><2.5% 3,7,10-Humulatriene CAS-No.: 6753-98-6 EC No.: 229-816-7</p> <p>Classification (EC 1272/2008) - None</p>
<p><2.5% Geraniol 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><2.5% Nerolidol (Trans) CAS-No.: 40716-66-3 EC No.: 255-053-4</p> <p>Classification (EC 1272/2008) Eye Irrit. 2, H319, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410 M Chronic = 1</p>
<p><2.5% Alpha-Terpineol CAS-No.: 98-55-5 EC No.: 202-680-6</p> <p>Classification (EC 1272/2008) Eye Irrit. 2, H319, Skin Irrit. 2, H315</p>
<p><2.5% Benzyl Alcohol CAS-No.: 100-51-6 EC No.: 202-859-9</p> <p>Classification (EC 1272/2008) Acute Tox. 4, H332, Acute Tox. 4, H302</p>
<p><2.5% Methyleugenol CAS-No.: - EC No.: -</p> <p>Classification (EC 1272/2008) – None</p>
<p><2.5% Cis-Nerolidol CAS-No.: 142-50-7 EC No.: 205-540-2</p> <p>Classification (EC 1272/2008) Eye Irrit. 2, H319, Aquatic Acute 1, H400 M Acute = 1, Aquatic Chronic 1, H410 M Chronic = 1</p>

<2.5% Prenyl Acetate CAS-No.: 1191-16-8 EC No.: 214-730-4

Classification (EC 1272/2008) Flam. Liq. 3, H226

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove victim immediately from source of exposure. Get medical attention if any 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, administer activated medical charcoal and consult a doctor. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.
Skin Contact	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. 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

No additional data available.

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 (CO₂)

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.

For non first aid worker-

Avoid any contact with the skin and eyes.

For first aid worker-


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.
Clean preferably with a detergent, do not use solvents.
6.4 Reference to other sections
No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
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 substance. Prohibited equipment and procedures : No smoking, eating or drinking in areas where the substance is used.
7.2 Conditions for safe storage, including any incompatibilities
No data available. Storage Keep away from food and drink, including those for animals. Packaging 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 : 140-11-4 10 ppm. - - - -	
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	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

	<p>workstation.</p> <p>Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be 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.</p> <p>Use eye protectors designed to protect against liquid splashes</p> <p>Before handling, wear safety goggles with protective sides accordance with standard EN166.</p> <p>In the event of high danger, protect the face with a face shield.</p> <p>Prescription glasses are not considered as protection.</p> <p>Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.</p> <p>Provide eyewash stations in facilities where the product is handled constantly..</p>
Other Protection	<p>Avoid skin contact.</p> <p>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>
Hygiene Measures	<p>Good personal hygiene practices are always advisable, especially when working with chemicals / oils.</p>
Personal Protection	<p>Use personal protection according to Directive 89/686/EEC.</p>
Skin Protection	<p>Wear apron or protective clothing in case of splashes.</p>
Environmental Exposure Controls	<p>Avoid discharging into drainage water. Only eliminate by authorised companies.</p>

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid
Colour	Pale yellow to brown yellow
Odour	Characteristic
Relative Density	0.975 - 0.985 @ 20°C
Flash Point (°C)	No additional data available.
Refractive Index	1.500 - 1.520 @ 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	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity
No additional data available.
10.2 Chemical stability
This substance is stable under the recommended handling and storage conditions in section 7.
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 thermal decomposition may release/form : - carbon monoxide (CO) - carbon dioxide (CO ₂)

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	<p>PRENYL ACETATE (CAS: 1191-16-8) Oral route : LD50 = 3000 mg/kg</p> <p>ALPHA-TERPINEOL (CAS: 98-55-5) Oral route : LD50 = 4300 mg/kg</p> <p>GERANIOL (CAS: 106-24-1) Oral route : LD50 = 4200 mg/kg</p> <p>CINNAMYL ACETATE (CAS: 103-54-8) Oral route : LD50 = 3300 mg/kg</p> <p>METHYL BENZOATE (CAS: 93-58-3) Oral route : LD50 = 1300 mg/kg</p> <p>P-CRESYL METHYL ETHER (CAS: 104-93-8) Oral route : LD50 = 1900 mg/kg</p> <p>LINALOOL (CAS: 78-70-6) Oral route : LD50 = 3000 mg/kg</p> <p>EUGENOL (CAS: 97-53-0) Oral route : LD50 = 2300 mg/kg</p> <p>BENZYL ACETATE (CAS: 140-11-4) Oral route : LD50 = 2490 mg/kg</p> <p>BENZYL SALICYLATE (CAS: 118-58-1). Oral route : LD50 = 2200 mg/kg</p>
Skin corrosion / irritation	May cause an allergic reaction by skin contact.

Serious eye damage / irritation	May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.
Respiratory or skin sensitisation	No additional data available.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	CAS 97-53-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	May cause irritation.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic 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

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.

Waste :

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.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	3082.
UN No. SEA	3082.
UN No. AIR	3082.

14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(benzyl benzoate)

14.3 Transport hazard class(es)

ADR/RID/AND : Class 9
ADR/RID/ADN : Class 9
IMDG : Class 9
ICAO : Class 9

**14.4 Packing group**

ADR/RID/ADN Packing group – III
IMDG Packing group – III
ICAO Packing group – III

14.5 Environmental hazards

Environmentally hazardous material

**14.6 Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M6	III	9	90	5 L	274 335 375 601	E1	3	E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	9	-	III	5 L	F-A,S-F	274 335 969	E1			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158 A197	E1	
	9	-	III	Y964	30 kg G	-	-	A97 A158 A197	E1	

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

No additional data available.

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. 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.
Other Information	None
Revision Date	November 11, 2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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