

**01. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY UNDERTAKING****1.1 Product Identifier**

1.1 Product Identifier	Ylang Ylang III Oil				
Biological Definition	Cananga Odorata Flower Oil is the third stage fraction obtained by the distillation of Ylang Ylang flowers, Cananga odorata, Anonaceae.				
INCI Name	Cananga Odorata Flower Oil				
Synonyms Trade Names	-				
CAS Number	83863-30-3 8006-81-3 68606-83-7	EC Number	291-092-1	EINECS No.	291-092-1

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

Calmer Solutions Limited - Hadresham, Woolborough Lane, Outwood, Surrey, England RH1 5QR - Reg No 4992013

1.4 Emergency Telephone Number

In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 (UK Only)

02. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

The Full Text for all Hazard Statements is displayed in Section 16. Skin sensitisation, Category 1 (Skin Sens. 1, H317).
Aspiration hazard, Category 1 (Asp. Tox. 1, H304). Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic

Classification (EC 1272 / 2008)

H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.

GHS08

GHS07

None

None

None



Signal Word

Danger

Contains

Benzyl Salicylate, Farnesol,

Hazard Statements

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H412 Harmful 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.

Supplementary Precautionary Statements

P301 IF SWALLOWED:

P310 Immediately call a POISON CENTER or doctor/physician.

P302 IF ON SKIN:

P352 Wash with plenty of soap and water.

P331 Do NOT induce vomiting.

P333 If skin irritation or rash occurs:

P313 Get medical advice/attention.

P501 Dispose of contents/container to...

2.3 Other Hazards

PBT or PvB according to Annex XIII The substance does not satisfy the PBT or vPvP criteria in accordance with

Adverse physio-chemical properties No additional Data.

Adverse effects on human health No additional Data.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

0 - 7 % Benzyl Benzoate CAS No: 120-51-4 EC No: 204-402-9

Classification (EC 1272/2008): Acute Tox. 4 - H302, Aquatic Chronic 2 - H411

0 - 4 % Benzyl Salicate 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

0 - 3 % Linalool CAS No: 78-70-6 EC No: 201-134-4

Classification (EC 1272/2008): Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402

0 - 2 % Benzyl Acetate CAS No: 140-11-4 EC No: 205-399-7/20

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE H335, Aquatic Chronic 2 - H411

0 - 3 % Farnesol CAS No: 4602-84-0 EC No: 225-004-1

Classification (EC 1272/2008): Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

0 - 2 % Geranoil

CAS No: 106-24-1 EC No: 203-377-1

Classification (EC 1272/2008): SCI 2-EDI, 1-SS 1,;H315 - H3170H319

0 - 1 % P-Cresyl Methyl Ether

CAS No: 104-93-8 EC No: 203-253-7

Classification (EC 1272/2008): Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Aquatic Chronic 3 - H412

0 - 0.5 % Isoeugenol

CAS No: 97-54-1 EC No: 202-590-7

Classification (EC 1272/2008): Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

04. FIRST AID MEASURES

4.1 Description of first aid measures

41 Inhalation:	Remove victim immediately from source of exposure. Get medical attention if any discomfort continues.
41 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. If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.
41 Eye:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
41 Skin:	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.

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

Carbon dioxide, Chemical Powder or Foam. Do not use a direct stream of water.

5.2 Special hazards arising from the product

In case of fire Carbon Monoxide and other unidentified organic compounds may be released.

5.3 Advice for firefighters

In case of insufficient ventilation use suitable respiratory equipment. Wear chemical protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and clearing up

Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.

6.4 Reference to other sections

Wear protective clothing as described in section 8.

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: Never inhale this substance. 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. Prohibited equipment and procedures: No smoking, eating or drinking in areas where the substance is used.

7.2 Conditions for safe storage, including and incompatibilities

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 - - - -Derived no effect level (DNEL) or derived minimum effect level (DMEL):
Final use: Workers. Exposure method: Dermal contact. Potential health effects: Short term systemic effects. DNEL : 5 mg/kg body weight/day

8.2 Exposure controls

Protective Equipment

Gloves

Overalls

None

None

None



Process Conditions:

Provide eyewash station.

Engineering Measures:

Provide adequate ventilation.

Respiratory Equipment:

Avoid inhalation of vapour.

Hand Protection:

Avoid skin contact. Wear protective gloves.

Eye Protection:

Wear protective goggles to prevent eye contact.

Other Protection:

Slip proof shoes may be worn in event of spillages.

Hygiene Measures:	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection:	Avoid inhalation of vapour and contact with skin and eyes.
Skin Protection	Wear overalls or laboratory coat to protect from skin contact.
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:	Pale yellow to dark yellow
Flash Point:	93°C
Odour:	Characteristic
Relative Density:	0.910 - 0.975 @ 20°C
Refractive:	1.495 - 1.515 @ 20°C
Melting Point:	No additional data available.
Boiling:	No additional data available.
Vapour:	No additional data available.
Solubility:	Insoluble in water.
Auto Ignition:	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 (CO₂)

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity:	ISOEUGENOL (CAS: 97-54-1) Oral route : LD50 = 1500 mg/kg Dermal route : LD50 = 1900 mg/kg GERANIOL (CAS: 106-24-
-----------------	--

	1) Oral route : LD50 = 4200 mg/kg P-CRESYL METHYL ETHER (CAS: 104-93-8) Oral route : LD50 = 1900 mg/kg METHYL BENZOATE (CAS: 93-58-3) Oral route : LD50 = 1300 mg/kg BENZYL ACETATE (CAS: 140-11-4) Oral route : LD50 = 2490 mg/kg
Respiratory or skin sensitisation:	LINALOOL (CAS: 78-70-6) Corneal haze : Average score = 1 Species : Rabbit Duration of exposure : 24 h OECD Guideline 405 (Acute Eye Irritation / Corrosion) Iritis : Average score = 0.6 Species : Rabbit Duration of exposure : 24 h OECD Guideline 405 (Acute Eye Irritation / Corrosion) Conjunctival redness : Average score = 2.3 Species : Rabbit Duration of exposure : 24 h OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Skin corrosion/irritation:	LINALOOL (CAS: 78-70-6) Oral route : LD50 = 2200 mg/kg Species : Mouse OECD Guideline 401 (Acute Oral Toxicity) Dermal route : LD50 = 5610 mg/kg Species : Rabbit OECD Guideline 402 (Acute Dermal Toxicity) BENZYL SALICYLATE (CAS: 118-58-1) Oral route : LD50 = 2200 mg/kg.
Serious Eye damage/irritation:	May cause an allergic reaction by skin contact. LINALOOL (CAS: 78-70-6) Irritation : Average score = 1.85 Effect observed : Erythema score Species : Rabbit Duration of exposure : 24 h OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Germ Cell Mutagenicity:	May be fatal if swallowed and enters airways. May cause discomfort if swallowed.
Carcinogenicity:	LINALOOL (CAS: 78-70-6) Mutagenesis (in vivo) : Negative. Species : Mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) OECD Guideline 471 (Bacterial Reverse Mutation Assay) Ames test (in vitro) : Negative. With or without metabolic activation. Species : S. typhimurium TA1535
Reproductive toxicity:	LINALOOL (CAS: 78-70-6) Carcinogenicity Test : Negative. No carcinogenic effect. Species : Rat
STOT Single exposure:	LINALOOL (CAS: 78-70-6)
STOT Repeated exposure:	No toxic effect for reproduction Study on development : Species : Rat OECD
Photo-toxicity:	No additional data available
Aspiration hazard:	Aspiration toxicity includes severe acute effects such as chemical pneumon
Other Information:	No additional data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Fish toxicity : Duration of exposure : 96 h LC50 = 27.8 mg/l Species : *Oncorhynchus mykiss* OECD Guideline 203 (Fish, Acute Toxicity Test) Crustacean toxicity : Duration of exposure : 48 h EC50 = 59 mg/l Species : *Daphnia magna* OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

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 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

Road:	Not regulated.
Sea:	Not regulated.
Air:	Not regulated.

14.2 UN Proper shipping name

Not required.

14.3 Transport hazard class(es)

ADR/RID/ADN	Not Regulated	IMDG	Not Regulated	ICAO	Not regulated
Not required.	Not required.	Not required.	Not required.		

14.4 Packing group

ADR/RID/ADN Packing group	Not regulated	IMDG Packing group	Not regulated	ICAO Packing group
Not regulated				

14.5 Environmental Hazards

Not hazardous.

Not required. Not required. Not required.

14.6 Special precautions for users

None.

14.7 Transport in bulk according to Annex II of MARLPOL73/78 and the IBC Code

No additional data available.

15. REGULATORY INFORMATION

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

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 or precaution	H302 Harmful if swallowed.
Other Information::	H302 + H312 Harmful if swallowed or in contact with skin. 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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Revision Date:	4/1/2019
Reason:	New SDS
Revision Number:	2

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 themselves as to the suitability of such information for his own particular use.