



MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: YLANG YLANG OIL

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA

Telephone +44 (0)117-9087770.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

DEFINITION/BOTANICAL ORIGIN: Obtained by steam distillation of the dry, fresh picked flowers of *Cananga odorata* (DC) Hook f. et Thoms subsp. *genuina* (Fam. *Anonaceae*)

H-No: 3301.29

CAS No: 8006-81-3

Status: natural

CoE No: 103

FEMA: 3119

Additives: none

FDA:

IFRA: no restriction

Application:

RIFM: monograph

EINECS:

INCI name: Cananga odorata

RTECS

FCCIV:

TSCA: reported

3. HAZARDS IDENTIFICATION:

Concentrated product. Do not ingest. Observe good housekeeping procedures

4. FIRST-AID MEASURES:

INHALATION:

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT:

Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

SKIN CONTACT:

Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION:

Rinse mouth out with water. Seek medical advice **immediately**.

OTHER:

When assessing action take Risk & Safety Phrases into account

(Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA

Use CO₂, Dry Powder or Foam type of Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

RECOMMENDED:

SPECIAL MEASURES :

Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES:

Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS:

Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS:

Keep away from drains, soils, surface & groundwaters.



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CLEANING UP METHODS FOR SPILLAGES:

Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING :

Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS :

Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light . Keep air contact to a minimum.

FIRE PROTECTION :

Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

RESPIRATORY PROTECTION :

Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION :

Ensure good ventilation of working area.

HAND PROTECTION :

Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION :

Use safety glasses.

WORK/HYGIENE PRACTICES :

Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

COLOUR:

Pale to dark yellow liquid.

APPEARANCE :

Mobile liquid.

Odour:

Floral, spicy balsamic.

FLASH-POINT °C :

87°C.

SPECIFIC GRAVITY @ 20°C :

0.9100 to 0.9260

OPTICAL ROTATION @ 20°C:

-63° to -53°

REFRACTIVE INDEX @ 20°C:

1.5070 to 1.5110

SOLUBILITY IN 95% ETHANOL @ 20°C: Partially soluble

TYPICAL ANALYSIS BY GC/MS: CONTAINS PRENYL ACETATE (0.83%), α -PINENE (0.2%), METHYL P-CRESOL (8.5%), 1,8-CINEOL (0.49%), METHYL BENZOATE (5.3%), LINALOL (13.7%), BENZYL ACETATE (7.9%), ETHYL BENZOATE (0.1%), METHYL SALICYLATE (0.18%), PHENYLETHYL ACETATE, GERANIOL (1.3%), EUGENOL (0.32%), GERANYL ACETATE (8.65%), α -COPAENE (0.6%), β -ELEMENE (0.38%), CINNAMYL ACETATE (2%), β -CARYOPHYLLENE (6.7%), α -HUMULENE (2%), GERMACRENE D (16.5%), γ -MUUROLENE, δ -CADINENE (1%), α -FARNESCENE (7.35%), T-CADINOL (0.08%), T-MUUROLOL (0.8%), FARNESOL (1.7%), BENZYL BENZOATE (5%), FANESYL ACETATE (2.1%), BENZYL SALICYLATE (2.5%) AMONGST OTHERS.

10. STABILITY & REACTIVITY.

REACTIVITY :

It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

DECOMPOSITION :

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds

may be formed.

11. TOXICOLOGICAL INFORMATION.

LD₅₀ orl-rat >5g/Kg

LD₅₀ skn-rbt >500 mg/Kg 24H MLD

RIFM monograph (1974) *FCT 12*, 807: Non-irritating, non-sensitising to non-phototoxic to human skin: *FCT 12* (Suppl.), 1015.



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12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY : Data not available
PRECAUTIONS : Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

Road (ADR/RID) : n/a
AIR (IATA) : n/a
SEA (IMDG) : n/a
CHIP: See section 15

15. REGULATORY INFORMATION. According to Directive 88/379/EEC

HAZARDS : n/a
SYMBOLS : n/a
RISK PHRASES: n/a
SAFETY PHRASES : n/a

16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	Yes
F/HDPE	Yes
Other plastic	No

SHELF-LIFE

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 months.

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