



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1 – IDENTIFICATION

Product Name: Ylang Ylang Essential Oil III CO₂

Alternative Names: Ylang Ylang III CO₂ Extract, Ylang Ylang III Fraction CO₂

Botanical Name: *Cananga odorata* (Lam.) Hook.f. & Thomson

INCI Name: Cananga Odorata Flower Oil

EU CAS Number: 8006-81-3

EC Number: 281-092-1

Product Type: Natural CO₂ Extract

Plant Part: Flowers

Extraction Method: Supercritical CO₂ Extraction

Origin: Comoros

Grade: III CO₂ Fraction

Recommended Use: Professional Perfumery Raw Material.

Supplier

Aromology Trading LLC
G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

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SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Aspiration Hazard – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 3

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.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Ylang Ylang Essential Oil III CO ₂
Botanical Name	<i>Cananga odorata</i>
INCI Name	Cananga Odorata Flower Oil
CAS Number	8006-81-3
EC Number	281-092-1
Purity	100% Natural CO ₂ Extract

Typical Naturally Occurring Constituents



AROM O L O G Y

- β -Farnesene
 - α -Farnesene
 - Germacrene D
 - β -Caryophyllene
 - Benzyl Benzoate
 - Benzyl Salicylate
 - Benzyl Acetate
 - Linalool
 - Farnesol
 - Methyl Benzoate
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SECTION 4 – FIRST AID MEASURES

Inhalation: Move exposed person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water.

Eye Contact: Flush cautiously with clean water for at least 15 minutes.

Ingestion: Do NOT induce vomiting. Obtain immediate medical attention due to aspiration hazard.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water mist

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable personal protective equipment.



Prevent release into drains and waterways.

Absorb with inert absorbent material.

Collect into approved disposal containers.

SECTION 7 – HANDLING AND STORAGE

Use only with adequate ventilation.

Avoid prolonged skin contact.

Store tightly closed in original containers.

Protect from direct sunlight, excessive heat and oxidising agents.

Recommended Storage Temperature: 15–20 °C.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
- Nitrile gloves
- Protective laboratory clothing
- Local exhaust ventilation

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Pale Yellow
Odour	Rich floral, sweet, fruity, soft woody, balsamic
Relative Density (20 °C)	0.906–0.925
Refractive Index (20 °C)	1.503–1.513
Optical Rotation	-72° to -45°
Flash Point	>86 °C (187 °F)
Solubility	Insoluble in water
Solubility	Soluble in ethanol



SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Excessive heat
- Open flames
- Prolonged exposure to air

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May cause skin irritation and allergic skin reactions.

Aspiration hazard if swallowed.

Contains naturally occurring sensitising constituents including linalool, benzyl benzoate, benzyl salicylate and farnesol.

SECTION 12 – ECOLOGICAL INFORMATION

Harmful to aquatic life with long lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents and containers through an authorised waste contractor in accordance with local regulations.

SECTION 14 – TRANSPORT INFORMATION



Regulation	Status
UN Number	Not Regulated
ADR/RID	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878.
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SECTION 16 – OTHER INFORMATION

Ylang Ylang Essential Oil III CO₂ is produced by supercritical carbon dioxide extraction of *Cananga odorata* flowers from Comoros. Compared with the Extra fraction, the III CO₂ fraction is richer in sesquiterpenes, particularly β -farnesene, providing a fuller, warmer floral profile with fruity, woody and balsamic nuances. It is valued in fine perfumery for adding depth, diffusion and lasting floral character to white floral, oriental, chypre and amber compositions.

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