



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

1.1 Product identifier

Product Name: Ylang Ylang Extra

SKU: 1045

Botanical Name: Cananga odorata

INCI Name: Cananga Odorata Flower Oil

Alternative INCI Identification: Ylang-Ylang, ext.

CAS Number: 8006-81-3

Alternative CAS Number: 83863-30-3

EC Number: 281-092-1

Country of Origin: Comoros

Cultivation Method: Certified Organic – USDA/NOP

Material Type: Natural Essential Oil

Extraction Method: Steam Distillation

Plant Part: Flowers

Product Content: 100%

1.2 Relevant identified uses

Recommended Uses:

- Fine fragrance and perfumery
- Cosmetic formulation
- Aromatherapy preparations
- Soap and personal-care products
- Professional fragrance compounding

Uses Advised Against:

- Internal consumption
 - Undiluted application to the skin
 - Use above applicable IFRA limits
 - Use in food without specific regulatory approval
-

1.3 Supplier details

Aromology

G05 Al Ghazal Building



Nadd Al Hamar
Dubai, United Arab Emirates

Email: info@aromology.com
Website: www.aromology.com

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification

Classification according to Regulation (EC) No. 1272/2008 and the Globally Harmonized System:

- Aspiration Hazard, Category 1
- Skin Sensitisation, Category 1
- Skin Irritation, Category 2
- Serious Eye Irritation, Category 2
- Hazardous to the Aquatic Environment, Chronic Category 2
- Combustible liquid

2.2 Label elements

Signal Word: DANGER

Hazard Pictograms:

- GHS07 – Exclamation Mark
- GHS08 – Health Hazard
- GHS09 – Environment

Hazard Statements:

- H227: Combustible liquid.
- 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.
- H411: Toxic to aquatic life with long-lasting effects.

Precautionary Statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261: Avoid breathing vapour or concentrated mist.
- P264: Wash exposed skin thoroughly after handling.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.



- P280: Wear protective gloves and eye/face protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
- 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 when present and easy to do. Continue rinsing.
- P331: Do NOT induce vomiting.
- P333+P313: If skin irritation or rash occurs, get medical advice.
- P337+P313: If eye irritation persists, get medical advice.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P391: Collect spillage.
- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents and container through an approved waste-disposal facility.

2.3 Other hazards

Natural essential oils may oxidise following prolonged exposure to air, heat or light. Oxidised material may have increased sensitising potential.

The product is insoluble in water. Spilled material may create a slipping hazard.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance identification

Substance: Ylang Ylang Extra Essential Oil
Botanical Source: Cananga odorata flowers
CAS Number: 8006-81-3
EC Number: 281-092-1
Concentration: 100%

3.2 Reported natural constituents

Constituent	CAS Number	Reported Concentration
Benzyl Benzoate	120-51-4	10.000%
Linalool	78-70-6	8.018%
Geranyl Acetate	105-87-3	6.100%
Beta-Caryophyllene	87-44-5	4.979%
Benzyl Salicylate	118-58-1	4.000%
Isoeugenol	97-54-1	2.574%
Farnesol	4602-84-0	2.558%
Geraniol	106-24-1	0.261%
Isoeugenyl Acetate	93-29-8	0.183%
Methyl Salicylate	119-36-8	0.139%



Constituent	CAS Number	Reported Concentration
Terpineol	8000-41-7	0.096%
Cinnamyl Alcohol	104-54-1	0.061%
Eugenol	97-53-0	0.060%
Benzyl Alcohol	100-51-6	0.059%
Limonene	5989-27-5	0.034%
Citral	5392-40-5	0.008%

The composition of a natural essential oil may vary according to origin, harvest, climate and processing.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

Inhalation:

Move the affected person to fresh air. Keep the person warm and at rest. Obtain medical attention if coughing, dizziness, breathing difficulty or other symptoms persist.

Skin Contact:

Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Do not use solvents to clean the skin. Obtain medical advice if irritation or an allergic reaction develops.

Eye Contact:

Immediately rinse cautiously with clean water for at least 15 minutes. Remove contact lenses when present and easy to do. Continue rinsing. Obtain medical advice if irritation persists.

Ingestion:

Immediately contact a poison centre or physician. Rinse the mouth. Do not induce vomiting because of aspiration risk. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects

Possible symptoms include:

- Skin irritation
- Redness, itching or allergic rash
- Eye redness, pain or watering
- Nausea or gastrointestinal discomfort
- Chemical pneumonitis if aspirated into the lungs



Aspiration into the lungs during swallowing or vomiting may be fatal.

4.3 Immediate medical attention

Treat symptomatically. If swallowed, the principal risk is aspiration into the lungs. Do not induce vomiting.

SECTION 5: FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

- Alcohol-resistant foam
- Carbon dioxide
- Dry chemical powder
- Water fog or fine water spray

5.2 Unsuitable extinguishing media

Do not use a direct or high-pressure water jet because it may spread the burning material.

5.3 Specific hazards

The material is combustible. Heating may cause pressure to develop inside sealed containers.

Combustion may produce:

- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours
- Unidentified thermal decomposition products

5.4 Protective equipment

Firefighters should wear self-contained breathing apparatus and appropriate protective clothing.

Cool fire-exposed containers using water spray. Prevent contaminated firefighting water from entering drains and waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

- Eliminate ignition sources.
- Ensure adequate ventilation.



- Avoid breathing concentrated vapour.
- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection.
- Be aware that spilled oil may make surfaces slippery.

6.2 Environmental precautions

Prevent the material from entering:

- Drains
- Sewers
- Surface water
- Groundwater
- Soil

Notify the relevant authorities if significant environmental contamination occurs.

6.3 Containment and cleanup

Contain the spill using sand, earth, vermiculite or another inert non-combustible absorbent.

Collect the absorbed material in a suitable, closed and labelled waste container. Clean the affected surface with an appropriate detergent. Do not wash uncontrolled quantities into drains.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Use in a well-ventilated area.
- Avoid breathing concentrated vapour.
- Avoid contact with skin and eyes.
- Wear appropriate protective equipment.
- Keep away from flames, sparks and hot surfaces.
- Do not eat, drink or smoke while handling.
- Wash hands thoroughly after use.
- Prevent prolonged exposure to air.

7.2 Storage conditions

Store in tightly closed, preferably full containers in a cool, dry and well-ventilated location.

Protect from:

- Direct sunlight
- Excessive heat
- Air and oxidation



- Moisture
- Ignition sources
- Strong oxidising agents

Recommended Storage Temperature: Below 25 °C

Suitable Container Materials:

- Amber glass
- Lacquer-lined aluminium
- Compatible stainless steel
- Suitable high-density packaging approved for essential oils

7.3 Specific end uses

Professional fragrance, cosmetic and aromatherapy formulation subject to applicable IFRA limits and finished-product safety assessment.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No specific occupational exposure limit has been established for the complete natural essential oil.

8.2 Engineering controls

Provide adequate general ventilation. Use local exhaust ventilation where concentrated vapours or mists may be generated.

8.3 Personal protective equipment

Eye/Face Protection:

Wear chemical safety glasses or splash goggles conforming to an appropriate safety standard.

Hand Protection:

Wear chemical-resistant gloves, preferably nitrile gloves. Replace damaged or contaminated gloves.

Skin Protection:

Wear suitable protective clothing to prevent prolonged or repeated skin contact.

Respiratory Protection:

Normally unnecessary when adequate ventilation is provided. Where ventilation is insufficient, use an approved respirator suitable for organic vapours.

8.4 Hygiene measures

- Wash hands after handling.
- Remove contaminated clothing.



- Wash contaminated clothing before reuse.
- Keep away from food, drink and animal feed.
- Do not touch the face or eyes while handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Physical State	Liquid
Appearance	Transparent liquid
Colour	Pale yellow to dark orange
Odour	Highly floral, sweet and characteristic of Ylang Ylang
Odour Threshold	Not determined
Specific Gravity at 20 °C	0.9246–0.9750
Batch Specific Gravity at 20 °C	0.9610
Refractive Index at 20 °C	1.490–1.509
Batch Refractive Index at 20 °C	1.509
Optical Rotation at 20 °C	–45° to –10°
Batch Optical Rotation at 20 °C	–43.83°
Flash Point	Approximately 87–89 °C
Auto-Ignition Temperature	Approximately 240 °C
Melting/Freezing Point	Not determined
Initial Boiling Point	Not determined
pH	Not applicable
Water Solubility	Insoluble
Alcohol Solubility	Soluble
Solubility in Fixed Oils	Soluble
Vapour Pressure	Not determined
Relative Vapour Density	Not determined
Explosive Properties	Not expected to be explosive
Oxidising Properties	Not classified as oxidising

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No significant reactivity hazard is expected under normal conditions.

10.2 Chemical stability

Stable when stored in tightly closed containers under the recommended conditions.

10.3 Hazardous reactions



Hazardous polymerisation is not expected.

10.4 Conditions to avoid

- Heat
- Sparks
- Open flames
- Direct sunlight
- Prolonged air exposure
- Temperatures above the flash point

10.5 Incompatible materials

- Strong oxidising agents
- Strong acids
- Strong alkalis

10.6 Hazardous decomposition products

Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, smoke and irritating organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Available product information does not indicate classification for acute toxicity.

Reported Acute Oral Toxicity: Greater than 5,000 mg/kg, based on available supplier information.

11.2 Skin corrosion/irritation

Causes skin irritation. Prolonged or repeated contact may increase irritation.

11.3 Serious eye damage/irritation

Causes serious eye irritation.

11.4 Respiratory or skin sensitisation

May cause an allergic skin reaction. The product contains naturally occurring sensitising fragrance constituents, including isoeugenol, farnesol, benzyl salicylate, benzyl benzoate, geraniol, eugenol, linalool and limonene.

11.5 Germ-cell mutagenicity

Not classified based on available information.

11.6 Carcinogenicity

Not classified based on available information.

11.7 Reproductive toxicity

Not classified based on available information for this product.



11.8 Specific target-organ toxicity

Single Exposure: Not classified based on available information.

Repeated Exposure: Not classified based on available information.

11.9 Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Toxic to aquatic life with long-lasting effects.

12.2 Persistence and degradability

The natural organic constituents are expected to be partly biodegradable. Complete test data for the product are not available.

12.3 Bioaccumulative potential

Some constituents may have the potential to bioaccumulate.

12.4 Mobility in soil

The product has low water solubility and may adsorb to soil and sediment.

12.5 PBT and vPvB assessment

No complete product-specific assessment is available.

12.6 Endocrine-disrupting properties

No product-specific assessment is available.

12.7 Other adverse effects

Avoid uncontrolled release into the environment, drains or waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the product through an authorised chemical-waste contractor in accordance with UAE and local environmental regulations.

Do not dispose of the material:

- Into drains
- Into waterways
- Onto soil
- With ordinary household waste

Empty containers may retain hazardous residues. Containers should be professionally cleaned, recycled or disposed of through an approved facility.



SECTION 14: TRANSPORT INFORMATION

Transport Information	Classification
UN Number	UN 3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Technical Name	Ylang Ylang Oil; contains Benzyl Benzoate and Farnesol
Transport Hazard Class	9
Packing Group	III
Environmental Hazard	Yes
Marine Pollutant	Yes
ADR/RID	UN 3082, Class 9, Packing Group III
IMDG	UN 3082, Class 9, Packing Group III, Marine Pollutant
IATA	UN 3082, Class 9, Packing Group III

Limited-quantity, small-package or other transport exemptions may apply. Classification must be confirmed against the quantity, packaging and transport mode used for each shipment.

SECTION 15: REGULATORY INFORMATION

The material should be handled in accordance with:

- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Regulation (EC) No. 1223/2009 – EU Cosmetic Regulation
- Regulation (EU) 2023/1545 concerning fragrance-allergen labelling
- Applicable UAE chemical, occupational safety, transport and environmental regulations
- IFRA Standards through the 51st Amendment

IFRA 51 Category 4 Maximum: 0.730% in the finished product.

Refer to the separate IFRA 51 Certificate and EU Allergen Declaration for formulation and labelling requirements.

Chemical Safety Assessment: A product-specific chemical safety assessment has not been conducted by Aromology.

SECTION 16: OTHER INFORMATION

Full hazard statements



- H227: Combustible liquid.
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Abbreviations

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging Regulation

EC: European Community

GC-MS: Gas Chromatography-Mass Spectrometry

GHS: Globally Harmonized System

IATA: International Air Transport Association

IFRA: International Fragrance Association

IMDG: International Maritime Dangerous Goods Code

INCI: International Nomenclature of Cosmetic Ingredients

PBT: Persistent, Bioaccumulative and Toxic

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

vPvB: Very Persistent and Very Bioaccumulative

Document basis

This SDS has been prepared using:

- The supplied COA for Ylang Ylang Extra – Organic, SKU 1045
- The supplied EU Allergen Certificate
- Current published safety information for Ylang Ylang Extra Essential Oil
- Current IFRA 51 information

The natural composition may vary between batches. Finished-product manufacturers remain responsible for undertaking their own safety, regulatory and compatibility assessments.

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Authorised by:

Fozia Khot

Director