

## Material Safety Data Sheet / MSDS (I907/2006/EC Article 31)

### YLANG YLANG ORGANIC ESSENTIAL OIL

VERSION I: 20.9.2024

#### SECTION 01:

#### IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 PRODUCT IDENTIFIER

|                 |                                              |
|-----------------|----------------------------------------------|
| ORIGIN:         | Madagascar                                   |
| PRODUCT'S NAME: | Ylang Ylang organic essential oil (COMPLETE) |
| INCI NAME:      | Cananga odorata flower oil                   |
| BOTANICAL NAME: | Cananga odorata (Lam.) Hook f. & Thomson     |
| CAS Number:     | 8006-81-3                                    |
| EC Number:      | 616-893-0                                    |
| EINECS Number:  | 297-681-1                                    |

##### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

###### Application of the substance:

- Flavouring agent
- Cosmetic ingredient
- Aromatherapy use

##### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

|            |                                               |
|------------|-----------------------------------------------|
| SUPPLIER:  | BOHDEI d.o.o.                                 |
| ADDRESS:   | Pavlova vas 66<br>8255 Pisece<br>Slovenia, EU |
| E-MAIL:    | info@amonanis.si                              |
| TELEPHONE: | +386 70 184 666                               |

##### 1.4 EMERGENCY TELEPHONE NUMBER

+386 70 184 666

## SECTION 02: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE (Classification according to Regulation (EC) No 1272/2008)

Aspiration Hazard, category I, H304  
Serious eye damage / eye irritation, category I, H318  
Hazardous to the aquatic environment, long-term hazard, category 2, H411  
Reproductive toxicity, category 2, H361  
Skin irritation/corrosion, category 2, H315  
Skin sensitization, category I, H317

### 2.2 LABEL ELEMENTS (Labelling according to Regulation (EC) No 1272/2008)

#### Pictograms:

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |
| GHS05                                                                             | GHS07                                                                             | GHS08                                                                             | GHS09                                                                             |

**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.  
H318 Causes serious eye damage.  
H361 Suspected of damaging fertility or the unborn child.  
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.  
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of 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.  
P308+P313 EN CAS d'exposition prouvée ou suspectée: consulter un médecin.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container according to applicable legislations

### 2.3 OTHER HAZARDS

No data available.

## SECTION 03:

## COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 SUBSTANCES

**NCS (natural complex substance):** 100% pure and natural essential oil

**List of principal components:**

| Name of component  | CAS Number | EINECS Number | % composition | Classification Regulation (EC) No 1272/2008                                                                          |
|--------------------|------------|---------------|---------------|----------------------------------------------------------------------------------------------------------------------|
| Linalool           | 78-70-6    | 201-134-4     | 2 - 20        | ED12, SC12, SS1B / H319, H315, H317                                                                                  |
| Beta-Caryophyllene | 87-44-5    | 201-746-1     | 5 - 20        | AH1, SS1B / H304, H317                                                                                               |
| Benzyl benzoate    | 120-51-4   | 204-402-9     | 2 - 15        | ATO4, EHAI, EHC2 / H302, H400, H411<br>ATE (Oral): 1160mg/kg                                                         |
| Geranyl acetate    | 105-87-3   | 203-341-5     | 2 - 15        | EHC3, SC12, SS1B / H412, H315, H317                                                                                  |
| p-Methylanisole    | 104-93-8   | 203-253-7     | 0 - 10        | ATO4, FL3, REP2, SC12 / H302, H226, H361, H315<br>ATE (Oral): 1900mg/kg                                              |
| Germacrene-D       | /          | /             | 10 - 25       | no data available                                                                                                    |
| Alpha-Farnesene    | 18794-84-8 | /             | 2 - 20        | Asp. Tox. 1 - H304<br>Skin Irrit. 2 - H315<br>Aquatic Chronic 2 - H411<br>Acute Tox. 4 - H332<br>Skin Sens. 1 - H317 |

## SECTION 04: FIRST AID MEASURES

### 4.1 DESCRIPTION OF FIRST AID MEASURES

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General information: | Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.<br>Seek immediate medical advice.<br>Never give anything by mouth to an unconscious person.<br>It is recommended that those who provide first aid have a personal protective equipment.<br>No action shall be taken involving any personal risk or without suitable training. |
| After inhalation:    | Supply fresh air. Do not administer anything orally. If unconscious, place them in a suitable position. Seek medical assistance.                                                                                                                                                                                                                                                                                |
| After skin contact:  | Remove contaminated clothing. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.                                                                                                                                                                                                                                                                        |
| After eye contact:   | Check for and remove any contact lenses. Rinse opened eyes for at least 10 minutes under running water while pulling eyelids up. Don't let the person to rub the affected eye. If symptoms persist, consult a doctor.                                                                                                                                                                                           |
| After swallowing:    | Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Move exposed person to fresh air. If unconscious, place them in a suitable position. Seek medical assistance.                                                                                                                                                     |

### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

### 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Get medical attention if any discomfort is felt, and bring these instructions.

## **SECTION 05:**

### **FIREFIGHTING MEASURES**

#### **5.1 EXTINGUISHING MEDIA**

**Suitable extinguishing agents:**

CO<sub>2</sub>, sand, foam, extinguishing powder.

**Unsuitable extinguishing agents:**

Water with full jet or fog (spray).

#### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Fire hazards: The product is not flammable.

Formation of toxic gases is possible during heating or in case of fire.

#### **5.3 ADVICE FOR FIREFIGHTERS**

Standard procedure for chemical fires.

Spray extinguishing media to base of flames.

**Fire precautions:**

Evacuate the area.

Container may explode in the heat of a fire.

Cool endangered receptacles with water spray. Take wind direction into account.

Move undamaged containers from immediate hazard area if it can be done safely.

**Protective equipment:**

Do not intervene without suitable protective equipment.

Use full face, self-contained breathing apparatus.

Full body protection.

## **SECTION 06:**

### **ACCIDENTAL RELEASE MEASURES**

#### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

**For first aiders:**

Wear protective equipment.

Ensure adequate ventilation.

Plug the leak if it is safe to do so.

Keep away from ignition sources.

Keep unprotected persons away.

**For non-rescuers:**

Ventilate the spill area.

Avoid contact with skin and eyes.

Avoid inhalation of gases, vapours or smoke.

Do not smoke.

#### **6.2 ENVIRONMENTAL PRECAUTIONS**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Dispose contaminated material as waste according to item I3.

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section I3 for disposal information.

## SECTION 07: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

#### Individual precautions

Apply good manufacturing practice and industrial hygiene practices.

Do not eat, drink or smoke while handling.

Avoid contact with skin and eyes.

Do not inhale the vapors, do not swallow.

Prevent access to persons not required.

Wear personal protective equipment.

Wash your hands after any manipulation.

Contaminated work clothes should not leave the workplace.

#### Packaging precautions

Store in original container or other container approved alternative made from a compatible material.

Keep receptacles tightly sealed when not in use.

Avoid spills.

Empty containers retain residue product.

Keep away from heat, sparks, open flame and direct sunlight.

Do not use tools that can cause sparks.

Avoid exposing to high temperatures during processing.

Handle with care. Avoid jolting, friction and impact.

#### Working area protection

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Protect against electrostatic charges.

Electrical equipment has to be protected according to applicable standards.

Avoid release to the environment.

Use appropriate container to avoid environmental contamination.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

#### Storage requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Use only receptacles specifically permitted for this substance/ product. Avoid PVC.

Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

Keep container tightly sealed.

Store the containers between 5 and 25° C in a dry and dark place.

Protect from heat and direct sunlight.

Do not smoke near the product.

Store receptacle in a well ventilated area.

Keep away from oxidising agents and from highly acidic or alkaline materials.

#### Information about storage in one common storage facility:

Not required.

#### 7.3 SPECIFIC END USE(S)

No data available.

## SECTION 08:

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 CONTROL PARAMETERS

#### Ingredients with limit values that require monitoring at the workplace:

Not required.

#### 8.2 EXPOSURE CONTROLS



|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General protective and hygienic measures:</b> | <p>The usual precautionary measures are to be adhered to when handling chemicals.</p> <p>Ensure good ventilation of the working area.</p> <p>Provide eyewash station.</p> <p>Avoid static discharges in working area.</p> <p>Keep away from foodstuffs, beverages and feed.</p> <p>Immediately remove all soiled and contaminated clothing</p> <p>Wash hands before breaks and at the end of work.</p> <p>Do not inhale gases / fumes / aerosols.</p> <p>Do not inhale dust / smoke / mist.</p> <p>Avoid contact with the skin.</p> <p>Avoid contact with the eyes.</p> |
| <b>Respiratory protection:</b>                   | <p>Avoid breathing vapors.</p> <p>Use suitable respiratory protective device in case of insufficient ventilation.</p> <p>Wear full face mask supplied with gas cartridge suitable for organic substances (Filter A2 type).</p>                                                                                                                                                                                                                                                                                                                                          |
| <b>Protection of hands:</b>                      | <p>Avoid skin contact. Wear suitable protective gloves resistant to chemical agents in accordance with standard EN374.</p> <p>The glove material has to be impermeable and resistant to the product / the substance / the preparation. Type of gloves recommended Nitrile rubber or PVA (Polyvinyl alcohol).</p>                                                                                                                                                                                                                                                        |
| <b>Skin protection:</b>                          | <p>Wear apron or protective clothing in case of splashes.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Eye/face protection:</b>                      | <p>Avoid contact with eyes. Wear approved safety goggles with built in frame tested to EN166.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Body protection:</b>                          | <p>Impervious protective clothing. Boots.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Environmental exposure control:</b>           | <p>Avoid release into the environment.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## SECTION 09:

### PHYSICAL AND CHEMICAL PROPERTIES

**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|                                                           |                            |
|-----------------------------------------------------------|----------------------------|
| GENERAL INFORMATION                                       |                            |
| PHYSICAL STATE:                                           | Liquid                     |
| COLOUR:                                                   | Pale yellow to dark yellow |
| ODOUR:                                                    | Sweet, floral, oriental    |
| ODOUR THRESHOLD:                                          | Not determined             |
| BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE: | Not determined             |
| FLAMMABILITY:                                             | Not determined             |
| LOWER AND UPPER EXPLOSION LIMIT:                          | Not determined             |
| FLASH POINT:                                              | +80°C                      |
| DECOMPOSITION TEMPERATURE:                                | Not determined             |
| PH:                                                       | Not determined             |
| VISCOSITY:                                                | Not determined             |
| DYNAMIC:                                                  | Not determined             |
| SOLUBILITY WATER:                                         | Not determined             |
| PARTITION COEFFICIENT N-OCTANOL/WATER (LOG VALUE)         | Not determined             |
| VAPOUR PRESSURE:                                          | Not determined             |
| DENSITY AND/OR RELATIVE DENSITY:                          | 0.905; 0.950               |

**9.2 OTHER INFORMATION**

No data available.

**SECTION 10:****STABILITY AND REACTIVITY****10.1 REACTIVITY**

Stable under recommended storage conditions.

**10.2 CHEMICAL STABILITY**

Stable under recommended storage conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Not expected under normal temperature conditions and recommended use.

**10.4 CONDITIONS TO AVOID**

No data available.

**10.5 INCOMPATIBLE MATERIALS**

No data available.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Not determined.

**SECTION II:****TOXICOLOGICAL INFORMATION**

**II.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008****LD/LC50 values relevant for classification:**

Acute Dermal Toxicity: Unclassified material.

Acute Oral Toxicity: 2 981,47 (estimated)

Acute Inhalation: Not determined.

**Primary irritant effect:**

No data available.

**Germ cell mutagenicity:**

No data available.

**Carcinogenicity:**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

No data available.

**Aspiration hazard:**

No data available.

**Photo-toxicity:**

No data available.

**II.2 INFORMATION ON OTHER HAZARDS**

No data available.

**SECTION I2:****ECOLOGICAL INFORMATION****I2.1 TOXICITY****Aquatic toxicity:**

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

**I2.2 PERSISTENCE AND DEGRADABILITY**

No data available.

**Behaviour in environmental systems:**

Not determined.

**I2.3 BIOACCUMULATIVE POTENTIAL**

No data available.

**I2.4 MOBILITY IN SOIL**

No data available.

**I2.5 RESULTS OF PBT AND VPVB ASSESSMENT**

Not determined.

#### 12.6 ENDOCRINE DISRUPTING PROPERTIES

Based on our knowledge, our analytical history and within the limits of detection limits, no endocrine disruptors were found in this product.

#### 12.7 OTHER ADVERSE EFFECTS

No data available.

#### Ecotoxical effects:

Not determined.

#### Additional ecological information:

Not determined.

### SECTION I3:

#### Disposal considerations

##### I3.1 WASTE TREATMENT METHODS

#### Recommendation:

Must be specially treated adhering to official regulations.

#### Uncleaned packaging:

Disposal must be made according to official regulations.

### SECTION I4:

#### TRANSPORT INFORMATION

**Land:** Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions.

**Sea:** Transport by ship: IMDG.

Transport documentation: Bill of lading.

**Air:** Transport by plane: ICAO/IATA.

Transport document: Airway bill.

##### I4.1 UN NUMBER OR ID NUMBER

ADR/ADN/RID: UN 3082

IMDG: UN 3082

ICAO/IATA: UN 3082

##### I4.2 UN PROPER SHIPPING NAME

ADR/ADN/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzoate benzyl)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzoate benzyl)

ICAO/IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzoate benzyl)

##### I4.3 TRANSPORT HAZARD CLASS(ES)

ADR/ADN/RID: 9

IMDG: 9

ICAO/IATA: 9

#### I4.4 PACKING GROUP

ADR/ADN/RID: III

IMDG: III

ICAO/IATA: III

#### I4.5 ENVIRONMENTAL HAZARDS

Marine pollutant(s): Benzyl Benzoate



#### I4.6 SPECIAL PRECAUTIONS FOR USER

Not concerned.

#### I4.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

Not concerned.

#### I4.8 ADDITIONAL INFORMATION

Customs Code : 3301

### SECTION I5: REGULATORY INFORMATION

#### I5.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Water contamination class (Germany): WGK (no information available).

#### I5.2 CHEMICAL SAFETY ASSESSMENT

A Chemical Safety Assessment has not been carried out.

### SECTION I6: OTHER INFORMATION

Safety Data Sheet according to Regulation 2020/878. These indications are based on the current state of our knowledge, but do not constitute a guarantee as to the properties of the product and do not give rise to a contractual legal relationship.

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

#### Relevant phrases:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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BANK: Delavska hranilnica

SWIFT: HDELSI22

H318 Causes serious eye damage.

H361 Suspected of damaging fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

**Training hints:**

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

**Abbreviations and acronyms:**

IFRA: International Fragrance Association

IOFI: International Organization of the Flavor Industry

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**Sources:**

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information