

CHEMICAL SAFETY DATA SHEET
according to 1907/2006/EC Article 31, as amended by N°
453/2010

1683901

 Reviewed on: 24/05/18
Printing date: 24/05/2018

PRODUCT : YLANG COMOROS COMPLETE OIL

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- * P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - * P264 Wash thoroughly after handling.
 - * P272 Contaminated work clothing should not be allowed out of the workplace.
 - * P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 - * P405 Store locked up.
 - * P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
 - PBT:
 - * Not applicable.
 - vPvB:
 - * Not applicable.

SECTION 03: Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description:
Mixture

- Dangerous components:

CAS Number		%
* 120-51-4	Benzyl benzoate	5,001-10,00
	⚠ Acute Tox. 4 - H302; ⚠ Aquatic	
	Acute 1 - H400, Aquatic Chronic 2 - H411	
* 140-11-4	benzyl acetate	5,001-10,00
	EC number: 205-399-7	
	Aquatic Chronic 3 - H412	
* 118-58-1	Benzyl salicylate	1,001- 5,00
	⚠ Skin Sens. 1B - H317; Aquatic Chronic	
	3 - H412	
* 104-93-8	4-methylanisole	1,001- 5,00
	EC number: 203-253-7	
	⚠ Flam. Liq. 3 - H226; ⚠ Acute Tox.	
	4 - H302, Skin Irrit. 2 - H315; ⚠ Repr.	
	2 - H361; Aquatic Chronic 3 - H412	
* 78-70-6	Linalool	1,001- 5,00
	EC number: 201-134-4	
	⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
* 4602-84-0	Farnesol	1,001- 5,00
	EC number: 225-004-1	
	⚠ Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
* 87-44-5	beta-Caryophyllene	1,001- 5,00
	⚠ Asp. Tox. 1 - H304; ⚠ Skin Sens.	
	1B - H317	
* 93-58-3	methyl benzoate	1,001- 5,00
	EC number: 202-259-7	
	⚠ Acute Tox. 4 - H302	
* 97-54-1	Isoeugenol	1,001- 5,00
	⚠ Acute Tox. 4 - H302, Acute Tox. 4 -	
	H312, Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1A - H317	
* 105-87-3	Geranyl acetate	0,101-1,00

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*	EC number: 203-341-5 ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 3 - H412	
*	Geraniol	0,101-1,00
*	⚠ Eye Dam. 1 - H318; ⚠ Skin Irrit. 2 - H315, Skin Sens. 1B - H317	
*	(E)-anethole	0,01-0,100
*	⚠ Skin Sens. 1B - H317	
*	anethole	0,01-0,100
*	EC number: 203-205-5 ⚠ Skin Sens. 1B - H317	

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information: Seek immediate medical advice.
 - After inhalation: Supply fresh air and to be sure call for a doctor.
 - After skin contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
 - After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 - After swallowing: Seek immediate medical advice.
 - Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water. Use fire extinguishing methods suitable to surrounding conditions.
 - For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: Do not inhale explosion gases or combustion gases.
 - Additional information: Cool endangered receptacles with water spray.

SECTION 06: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
- 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course.

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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 13.
- 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 13 for disposal information.

SECTION 07: Handling and storage

- Handling:
 - 7.1 Precautions for safe handling
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
 - * Handle with care. Avoid jolting, friction and impact.
 - Information about fire - and explosion protection:
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - 7.2 Conditions for safe storage, including any incompatibilities
 - Storage:
 - Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Prevent any seepage into the ground.
 - Further information about storage conditions:
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
 - Store receptacle in a well ventilated area.
 - 7.3 Specific end use(s)
 - * No further relevant information available.

SECTION 08: Exposure controls/personal protection

- 8.1 Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - CAS No.** **Designation of material** **%** **Type** **Value Unit**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - DNELs
 - * **YLANG COMOROS COMPLETE OIL**
 - * Inhalative, DNEL: 22,24 mg/m³
 - * Dermal, DNEL: 21,12 mg/kg
 - Additional information:
The lists valid during the making were used as basis.
- 8.2 Exposure controls
 - Personal protective equipment:
 - * General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
 - * Avoid contact with the skin.
 - Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
 - Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

SECTION 09: Physical and chemical properties
9.1 Information on basic physical and chemical properties
General Information
Appearance:

*	Form:	fluid
	Colour:	colourless to light yellow
	Odour:	floral
	Odour threshold:	Not determined.

Change in condition

*	Melting point/freezing point:	< -80 °C
	Initial boiling point and boiling range:	Not determined.

*	Flash point:	88 °C NFT 60-103 CC
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*	Flammability (solid, gas):	Not determined.
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*	Auto-ignition temperature:	240°C
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*	Explosive properties:	Not determined.
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*	Vapour pressure:	at 25 °C 0,2223 mbar
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*	Density:	Not determined.
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*	Relative density :	0,9060 0,9650 (D20/20)
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Solubility in / Miscibility with

*	water:	Not determined.
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*	Partition coefficient: n-octanol/water:	Not determined.
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*	9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

- | | |
|---|---|
| * | 10.1 Reactivity
No further relevant information available. |
| | 10.2 Chemical stability
Thermal decomposition / conditions to be avoided:
Not determined. |
| | 10.3 Possibility of hazardous reactions
No dangerous reactions known. |
| | 10.4 Conditions to avoid
No further relevant information available. |
| * | 10.5 Incompatible materials:
No further relevant information available. |
| | 10.6 Hazardous decomposition products:
Not determined. |

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- * • Acute toxicity:
- * • LD/LC50 values relevant for classification:

ISO LD/LC

YLANG COMOROS COMPLETE OIL

- * Oral, LD50: >5000 mg/kg (rat) (similar OECD 401 1973)
- * Dermal, LD50: >5000 mg/kg (Rabbit) (similar OECD 402 1973)

- * • Primary irritant effect:
- * • on the skin:
Irritant to skin and mucous membranes.

- * • on the eye:
No irritating effect.

- * • Sensitization:
Sensitization possible through skin contact.
- * • Subacute to chronic toxicity:

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- * Oral, NOAEL: 718 mg/kg (rat) (OECD 422 2017)

- * • Additional toxicological information:

* MLA OECD 490 2017 in vitro

* Ames OECD 471 2017 in vitro

* Micronucleus OECD 487 2017 in vitro

* The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
* Harmful

SECTION 12: Ecological information

12.1 Toxicity

- * • Aquatic toxicity:

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* CE50/48h: 10,4 mg/l (daphnia) (OECD 202 2018)

* ErC50(0-72h): >100 mg/l (algae) (readcross OECD 201 2018)

* 96h-LC50: 32 mg/l (fish) (readcross OECD 203 2018)

12.2 Persistence and degradability

Not determined.

- * • Behaviour in environmental systems:
Not determined.

12.3 Bioaccumulative potential

- * No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

- * • Ecotoxicological effects:
Not determined.
- * • Additional ecological information:
- * • General notes:
Do not allow product to reach ground water, water course or sewage system.
Harmful to aquatic organisms
The product contains materials that are harmful to the environment.

12.5 Results of PBT and vPvB assessment

- * • PBT:
Not applicable.
- * • vPvB:
Not applicable.

12.6 Other adverse effects

No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR Void

IMDG Void

IATA Void

14.2 UN proper shipping name

ADR Void

IMDG Void

IATA Void

14.3 Transport hazard class(es)

ADR

Class Void

IMDG

Class Void

IATA

Class Void

14.4 Packing group

ADR Void

IMDG Void

IATA Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

* Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

- Transport/Additional information:
Not applicable.

SECTION 15: Regulatory information

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

- * • REGULATION (EC) No 1907/2006 ANNEX XVII
Conditions of restriction: 3

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

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

	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
*	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.
*	H361	Suspected of damaging fertility or the unborn child.
*	H400	Very toxic to aquatic life.
*	H411	Toxic to aquatic life with long lasting effects.
*	H412	Harmful 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)
 DNEL: Derived No-Effect Level (REACH)
 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

- * Data compared to the previous version altered.