

AKÖMA™

FROM THE HEART

Material Safety Data Sheet

EU Regulation: 1907/2006

SECTION 1: Identification of the substance/mixture and of the company/undertaking					
1.1					
Product Identification					
Product Name	YLANG YLANG 3 ESSENTIAL OIL				
Biological Definition	CANANGA ODORATA FLOWER OIL IS THE THIRD STAGE FRACTION OBTAINED BY THE DISTILLATION OF YLANG YLANG FLOWERS, CANANGA ODORATA, ANONACEAE.				
INCI Name	CANANGA ODORATA FLOWER				
Synonyms & Trade Names	-				
Internal Product Code	K0498				
CAS-No	83863-30-3 / 8006-81-3 / 68606-83-7	EC No.	281-092-1	EINECS No.	281-092-1
1.2					
Details of the supplier of the safety data sheet					
Company Address	Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967				
Email	technical@akoma.biz				
1.3					
Details of the supplier of the safety data sheet					
Emergency Contacts	Mr. Wynn Mensah – Tel: 01332 613 967				

SECTION 2: Hazards Identification	
2.1	
Classification of the substance or mixture <i>The full text for all hazard statements is displayed in section 16.</i>	
Classification (EU1272/2008)	T304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.
2.2	
Label Elements	Label in accordance with Regulation (EC) No 1272/2008.

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GHS Label	  GHS07 GHS08
Signal Word	DANGER
Contains	EC 204-262-9 BENZYL SALICYLATE EC 225-004-1 FARNESOL.
Hazards Statement	H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H412 Harmful 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.
Supplementary Precautionary Statements	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P331 Do NOT induce vomiting. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P501 Dispose of contents/container to waste disposal facility licensed.
<i>Section 16 (Other Information): Risk & Safety phrases in full.</i>	
2.3 Other Hazards	
Adverse physio-chemical properties	NO DATA
Adverse effects on human health	NO DATA
PBT OR VPVB ACCORDING TO ANNEX XIII	THE SUBSTANCE DOES NOT SATISFY THE PBT OR VPVP CRITERIA IN ACCORDANCE WITH ANNEXE XIII OF THE REACH REGULATIONS EC 1907/2006.
SECTION 3: Composition of Ingredients	
3.1 Substances	<7.0% BENZYL BENZOATE CAS-NO.: 120-51-4 EC NO.: 204-402-9 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, AQUATIC CHRONIC 2 - H411 < 4.0% BENZYL SALICYLATE CAS-NO.: 118-58-1 EC NO.: 204-262-9 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 - H303, SKIN SENS. 1 - H317, AQUATIC ACUTE 2 - H401, AQUATIC CHRONIC 2 - H411 <3.0% LINALOOL CAS-NO.: 78-70-6 EC NO.: 201-134-4 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 5 - H303, SKIN IRRIT. 2 - H315, AQUATIC ACUTE 3 - H402 <2.0% BENZYL ACETATE CAS-NO.: 140-11-4, EC: 205-399-7 CLASSIFICATION (EC 1272/2008) NOT CLASSIFIED <3.0% FARNESOL CAS-NO.: 4602-84-0 EC NO.: 225-004-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE IRRIT. 2 - H319, SKIN SENS. 1 - H317 <1.0% METHYL BENZOATE CAS-NO.: 106-24-1 EC NO.: 203-377-1 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302 <1.0% P-CRESYL METHYL ETHER CAS-NO.: 104-93-8 EC NO.: 203-253-7 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302, SKIN IRRIT. 2, H315, EYE IRRIT. 2, H319, AQUATIC CHRONIC 3, H412 <1.0% GERANIOL CAS-NO.: 106-24-1 EC NO.: 203-377-1 CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, SKIN SENS. 1 - H317 < 0.5% ISOEUGENOL CAS-NO.: 97-54-1 EC NO.: 202-590-7 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4, H302; ACUTE TOX. 4, H312; SKIN IRRIT. 2, H315; EYE IRRIT. 2, H319; SKIN SENS. 1, H317

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SECTION 4: First Aid Measures	
4.1 Description of First Aid Measures	
General Information	Always remove contaminated clothing immediately.
Inhalation	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Ingestion	Get medical attention immediately. Rinse mouth with water and obtain medical attention.
Skin Contact	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
Eye Contact	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
4.2 Most important symptoms & effects (Acute & Delayed)	INHALATION MAY CAUSE COUGHING AND DIFFICULTIES IN BREATHING. INGESTION IRRITATING TO THE RESPIRATORY TRACT AND MAY CAUSE DAMAGE TO THE CENTRAL NERVOUS SYSTEM. SKIN CONTACT TOXIC IN CONTACT WITH SKIN. EYE CONTACT MAY CAUSE EYE IRRITATION.
4.3 Indication of any immediate medical attention or special treatment required	None expected, see section 4.1 for further information.

SECTION 5: Fire Fighting Measures	
5.1 Extinguishing material	Foam, Co2, Dry Chemical Powder.
5.2 Special hazards arising from the substance Or mixture	Burning produces irritating, toxic and obnoxious fumes.
5.3 Advice for fire-fighters	Special protective equipment for fire-fighters: Wear positive-pressure self-contained breathing apparatus (scba) and appropriate protective clothing.

SECTION 6: Accidental Release Measures	
6.1 Personal precautions	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing.
6.2 Environmental precautions	Do not discharge into drains, water courses or onto the ground. Dispose of in line with local authority guidelines.
6.3 Methods & material for containment and cleaning up	Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.
6.4 References to other sections	Refer & consider section 7, 8. Refer & consider section 13.

SECTION 7: Handling & Storage	
7.1 Precautions for safe-handling	Handle in accordance with good hygiene and safety practice. Keep away from heat, sparks, open flames and hot surfaces. - no smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities	Keep the product container tightly closed, in a dry, ventilated area. Keep away from potential sources of ignition and protected from light. Maintain limited contact with oxygen.
7.3 Specific end use(s)	No Data.

SECTION 8: Exposure Controls & Personal Protection

<p>8.1 Control Parameters</p>	<p>Occupational exposure limits : - ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) : CAS TWA : STEL : Ceiling : Definition : Criteria : 140-11-4 10ppm - - - - -</p> <p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): Final use: Workers. Exposure method: Dermal contact. Potential health effects: Short term systemic effects. DNEL : 5mg/kg body weight/day</p> <p>Occupational exposure limits : -ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) : CAS TWA : STEL : Ceiling : Definition : Criteria : 140-11-4 10ppm - - - - -</p> <p>Derived no effect level (DNEL) or derived minimum effect level (DMEL): Final use: Workers. Exposure method: Dermal contact. Potential health effects: Short term systemic effects. DNEL : 5mg/kg body weight/day</p> <p>Exposure method: Dermal contact. Potential health effects: Short term local effects. DNEL : 1.5mg of substance/cm²</p> <p>Exposure method: Dermal contact. Potential health effects: Long term systemic effects. DNEL : 2.5mg/kg body weight/day</p> <p>Exposure method: Dermal contact. Potential health effects: Long term local effects. DNEL : 1.5mg of substance/cm²</p> <p>Exposure method: Inhalation. Potential health effects: Short term systemic effects.</p>
<p>8.2 Exposure Controls</p>	
<p>Eye Protection</p>	<p>Wear protective gloves/eye protection/face protection.</p>
<p>Hand Protection</p>	<p>Wear protective gloves/eye protection/face protection.</p>
<p>Respiratory Equipment</p>	<p>Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) increase ventilation of the area with local exhaust ventilation. B) personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. C) use closed systems for transferring and processing this material. Also refer to sections 2 and 7.</p>
<p>Hygiene Measures</p>	<p>Good personal hygiene practices are always advisable, especially when working with chemicals / oils.</p>
<p>Engineering Measures</p>	<p>None.</p>
<p>SKIN PROTECTION</p>	<p>Wear protective clothing to reduce the risk of skin and eye contact.</p>
<p>PERSONAL PROTECTION</p>	<p>Avoid inhalation of the product. Avoid contact with skin and eyes.</p>
<p>OTHER PROTECTION</p>	<p>Wear suitable protection to avoid contact with skin and eyes. Do not inhale vapours.</p>
<p>PROCESS CONDITIONS</p>	<p>Ensure area is well ventilated. Avoid vapour inhalation. Safety shower & eye bath.</p>
<p>ENVIROMENTAL EXPOSURE CONTROLS</p>	<p>Avoid discharging into drainage water.</p>

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SECTION 9: Physical & Chemical Properties

9.1 Physical & Chemical Properties	
Appearance	Liquid
Colour	Yellow – dark yellow.
Odour	Characteristic
Relative Density	0.910 – 0.975 @ 20°C
Flash Point (°C)	93°C
Refractive Index	1.495 – 1.515 @ 20°C
Solubility in Water @ 20°C	Insoluble in water
9.2 Other Information	No data.

SECTION 10: Stability & Reactivity

10.1 Reactivity	Presents no significant reactivity hazards, by itself or in contact with water. Stable under normal temperature and storage conditions and recommended use.
10.2 Chemical stability	Stable under suggested storage conditions (<15°C).
10.3 Possibility of hazardous reactions	No.
10.4 Conditions to avoid	Storage at high temperatures. Do not store above 15°C.
10.5 Incompatible materials	P.V.C
10.6 Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.

SECTION 11: Toxicological Information

11.1 Toxicological effects													
Acute Toxicity	<table><tr><td>ISOEUGENOL (CAS: 97-54-1)</td><td>Oral route : LD50 = 1500 mg/kg Dermal route : LD50 = 1900 mg/kg</td></tr><tr><td>GERANIOL (CAS: 106-24-1)</td><td>Oral route : LD50 = 4200 mg/kg</td></tr><tr><td>P-CRESYL METHYL ETHER (CAS: 104-93-8)</td><td>Oral route : LD50 = 1900 mg/kg</td></tr><tr><td>METHYL BENZOATE (CAS: 93-58-3)</td><td>Oral route : LD50 = 1300 mg/kg</td></tr><tr><td>BENZYL ACETATE (CAS: 140-11-4)</td><td>Oral route : LD50 = 2490 mg/kg</td></tr><tr><td>LINALOOL (CAS: 78-70-6)</td><td>Oral route : LD50 = 2200 mg/kg</td></tr></table>	ISOEUGENOL (CAS: 97-54-1)	Oral route : LD50 = 1500 mg/kg Dermal route : LD50 = 1900 mg/kg	GERANIOL (CAS: 106-24-1)	Oral route : LD50 = 4200 mg/kg	P-CRESYL METHYL ETHER (CAS: 104-93-8)	Oral route : LD50 = 1900 mg/kg	METHYL BENZOATE (CAS: 93-58-3)	Oral route : LD50 = 1300 mg/kg	BENZYL ACETATE (CAS: 140-11-4)	Oral route : LD50 = 2490 mg/kg	LINALOOL (CAS: 78-70-6)	Oral route : LD50 = 2200 mg/kg
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LINALOOL (CAS: 78-70-6)	Oral route : LD50 = 2200 mg/kg												

	<p>Species : Mouse OECD Guideline 401 (Acute Oral Toxicity) Dermal route: LD50 = 5610 mg/kg</p> <p>Species: Rabbit OECD Guideline 402 (Acute Dermal Toxicity)</p> <p>BENZYL SALICYLATE (CAS: 118-58-1) Oral route : LD50 = 2200 mg/kg.</p>
Skin irritation	<p>MAY CAUSE AN ALLERGIC REACTION BY SKIN CONTACT. LINALOOL (CAS: 78-70-6) IRRITATION : AVERAGE SCORE = 1.85 EFFECT OBSERVED : ERYTHEMA SCORE SPECIES : RABBIT DURATION OF EXPOSURE : 24 H OECD GUIDELINE 404 (ACUTE DERMAL IRRITATION / CORROSION)</p>
Eye damage or irritation	<p>LINALOOL (CAS: 78-70-6) CORNEAL HAZE : AVERAGE SCORE = 1 SPECIES : RABBIT DURATION OF EXPOSURE : 24 H OECD GUIDELINE 405 (ACUTE EYE IRRITATION / CORROSION)</p> <p>IRITIS : AVERAGE SCORE = 0.6 SPECIES : RABBIT DURATION OF EXPOSURE : 24 H OECD GUIDELINE 405 (ACUTE EYE IRRITATION / CORROSION)</p> <p>CONJUNCTIVAL REDNESS : AVERAGE SCORE = 2.3 SPECIES : RABBIT DURATION OF EXPOSURE : 24 H OECD GUIDELINE 405 (ACUTE EYE IRRITATION / CORROSION)</p>
Respiratory or skin sensitivity	May be fatal if swallowed and enters airways. May cause discomfort if swallowed.
Germ cell mutagenicity	<p>LINALOOL (CAS: 78-70-6) MUTAGENESIS (IN VIVO) : NEGATIVE. SPECIES : MOUSE OECD GUIDELINE 474 (MAMMALIAN ERYTHROCYTE MICRONUCLEUS TEST) OECD GUIDELINE 471 (BACTERIAL REVERSE MUTATION ASSAY)</p> <p>AMES TEST (IN VITRO) : NEGATIVE. WITH OR WITHOUT METABOLIC ACTIVATION. SPECIES : S. TYPHIMURIUM TA1535</p>
Carcinogenicity	<p>LINALOOL (CAS: 78-70-6) CARCINOGENICITY TEST : NEGATIVE. NO CARCINOGENIC EFFECT. SPECIES : RAT</p>
Reproductive toxicity	<p>LINALOOL (CAS: 78-70-6) NO TOXIC EFFECT FOR REPRODUCTION STUDY ON DEVELOPMENT : SPECIES : RAT OECD GUIDELINE 421 (REPRODUCTION / DEVELOPMENTAL TOXICITY SCREENING TEST)</p>
STOT – single exposure	Not Applicable.
STOT – repeated exposure	Not Applicable.
Aspiration hazard	<p>ASPIRATION TOXICITY INCLUDES SEVERE ACUTE EFFECTS SUCH AS CHEMICAL PNEUMONIA, VARYING DEGREES OF PULMONARY INJURY OR DEATH FOLLOWING ASPIRATION. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. ASPIRATION TOXICITY INCLUDES SEVERE ACUTE EFFECTS SUCH AS CHEMICAL PNEUMONIA, VARYING DEGREES OF PULMONARY INJURY OR DEATH FOLLOWING ASPIRATION.</p>

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Other information	No Data.
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SECTION 12: Ecological Information

12.1 Toxicity	FISH TOXICITY : DURATION OF EXPOSURE : 96 H LC50 = 27.8 MG/L SPECIES : ONCORHYNCHUS MYKISS OECD GUIDELINE 203 (FISH, ACUTE TOXICITY TEST) CRUSTACEAN TOXICITY : DURATION OF EXPOSURE : 48 H EC50 = 59 MG/L SPECIES : DAPHNIA MAGNA OECD GUIDELINE 202 (DAPHNIA SP. ACUTE IMMOBILISATION TEST)
12.2 Persistence & degradability	No Data.
12.3 Bio- accumulative potential	No Data.
12.4 Mobility in soil	Considered as a readily biodegradable NCS. Based on the ready biodegradability of the ncs, simulation tests in surface water, sediment and soil are not required in accordance with effects.
12.5 Results of PBT & VPVB assessment	This substance does not meet the PBT/VPVB CRITERIA OF REACH, ANNEX XIII.
12.6 Other adverse effects	Do not allow product to enter streams, sewers or other waterways.

SECTION 13: Disposal Information

13.1 Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.
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SECTION 14: Transport Information

14.1 Transport Information	
UN NUMBER	ROAD: NOT REGULATED RAIL: NOT REGULATED AIR: NOT REGULATED
14.2 UN SHIPPING NAME	NONE
14.3 TRANSPORT HAZARD CLASS(ES)	NOT REGULATED
14.4 PACKING GROUP	NOT REGULATED
14.5 ENVIROMENTAL HAZARDS	NON HAZARDOUS
14.6 SPECIAL PRECAUTIONS FOR USER	NO DATA.
14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF	NO ADDITIONAL DATA.

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Ylang Ylang 3 Essential Oil - MSDS

MARPOL73/78 & THE IBC CODE.	
SECTION 15: Regulatory Information	
15.1	
Product specific safety, health & environmental regulations & legislation	
EU Directives	REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18TH DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS).
Statutory Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009 No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data sheets for substances & preparations.
Guidance Notes	Workplace exposure limits EH40. CHIP for everyone HSG 108.
15.2	
Chemical Safety Assessment	-

SECTION 16: Other Information	
HAZARD AND/ OR PRECAUTIONARY STATEMENTS IN FULL	H302 HARMFUL IF SWALLOWED. H302 + H312 HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN. 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. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H412 HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
Training Instructions: Refer to possible hazard before use of this product.	
Abbreviations & Acronyms:	
MSDS	Material Safety Data Sheet.
INCI	International Nomenclature of Cosmetic Ingredients.
CAS	Chemical Abstract Service.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des marchandises Dangereuses par Route (European Agreement concerning the international Carriage of Dangerous goods by Road).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	Globally Harmonized System of classification & labelling of chemicals.
Trem Card	Transport Emergency Card.

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Q.C. REQUIREMENTS.

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

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.

Revised: 2021

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