

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - - - Identification of Product and Supplier

<u>Product Name:</u>	Bergamot Essential Oil				
<u>Biological Definition:</u>	Citrus Bergamia Peel Oil Expressed is an essential oil expressed from the epicarps of the Bergamot, Citrus Bergamia Risso, Rutaceae				
<u>INCI Name:</u>	Citrus Bergamia Peel Oil				
<u>Synonyms & Trade Names:</u>	Bergamot oil BF, Bergamot Oil Bergaptene Free				
<u>Internal Product Code:</u>	R00081				
<u>CAS-No</u>	89957-91-5	<u>EC No.</u>	289-612-9	<u>EINECS No.</u>	289-612-6
<u>Supplier:</u>	Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967				
<u>Emergency Contact:</u>	Mr. Wynn Mensah – Tel: 01332 613 967				

2 - - - Hazards identification:

Classification of the substance or mixture

Classification (67/548/EEC)	Xn+N; R10-38-43-51/53-65, S24-37-61-62
Classification (EU 1272/2008)	UN-GHS: FL 3, AH 1, SCI 2, EDI 2A, SS 1, EH A1,C1 EU-CLP: FL 3, AH 1, SCI 2, EDI 2A, SS 1, EH A1,C1

Label elements

Label in accordance with Regulation (EC) No 1272/2008



GHS Label:

GHS02 GHS07 GHS08 GHS09

Signal word:

Danger

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Contains	Limonene, linalyl acetate, linalool, beta-pinene, gamma-terpinene, myrcene, sabinene, alpha-pinene.
Hazard Statements:	H226 Flammable liquid & vapour 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 H410 Very toxic to aquatic life with long-lasting effects
Precautionary Statements:	P210 --- Keep away from heat/sparks/open flames/hot surfaces. --- No smoking P262 Do not get in eyes, on skin or on clothing P273 Avoid release to the environment P280 Wear protective gloves/protective clothing/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician P305/331/358 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements:	P391 Collect spillage
Other hazards	
Adverse physio-chemical Properties	Combustible but should not self-ignite
Adverse effects on human Health	May cause sensitisation by skin contact.

3 --- Composition and information on ingredients:

Substances	
39% Limonene	CAS: 138-86-3 UN-GHS: SCI 2; SS 1; EH A1,C1
30% Linalyl acetate	CAS: 115-95-7 UN-GHS: EDI 2A, EH A2, SCI 2
12% Linalool	CAS: 78-70-6 UN-GHS: ATO 5(3000), EDI 2A, EH A3,SCI2
7% beta-Pinene	CAS: 127-91-3 UN-GHS: ATO 5(3700), SCI 2, SS 1
6% gamma-Terpinene	CAS: 99-85-4 UN-GHS: ATO 5(3850); SCI 3
1% Myrcene	CAS: 123-35-3 UN-GHS: EDI 2A, SCI 2
1% Sabinene	CAS: 3387-41-5 UN-GHS: N/A
1% alpha-Pinene	CAS: 80-56-8 UN-GHS: ATO 5(3700),SCI 2, SS 1

Mixtures

EU INCI	US INCI
US INCI	N/A

4 --- First aid measures:

<u>Inhalation:</u>	Remove from exposure area to fresh air. Contact a doctor if necessary.
<u>Eye contact:</u>	Flush with plenty of water and seek medical advice if necessary.
<u>Skin contact:</u>	Remove contaminated clothing, wash before reuse. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
<u>Ingestion:</u>	Wash mouth out with water and obtain medical advice immediately.

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Most important symptoms and effects, both acute and delayed. NA
Indication of any immediate medical attention and special treatment needed. NA

5 --- Fire --- Fighting measures:

<u>Extinguishing media</u>	Use CO ₂ , Dry Powder or Foam type Extinguishers, spraying recommended: extinguishing media to base of flames. Do not use direct water jet on burning material.
<u>Special hazards arising from substance or mixture:</u>	None
<u>Advice for fire-fighters:</u>	Wear protective clothing. Avoid inhalation of vapours. Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6 --- Accidental release measures:

<u>Personal precautions:</u>	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.
<u>Environment precautions:</u>	Do not discharge directly into drains or soil. Keep away from surface and ground water.
<u>Cleaning up methods:</u>	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.
<u>References to other Sections:</u>	Please refer to <i>Section 8 --- Exposure controls/personal protection</i> for further information on personal precautions Please refer to <i>Section 13 --- Disposal Considerations</i> for further information on waste treatment.

7 --- Handling and storage:

<u>Precautions in handling:</u>	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
<u>Storage conditions:</u>	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
<u>Specific Uses:</u>	N/A

8 --- Exposure controls and personal protection:

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

<u>Respiratory protection:</u>	As required. Avoid breathing product vapour
<u>Hand protection:</u>	Avoid all skin contact. Use chemically resistant gloves if required
<u>Eye protection:</u>	Use safety glasses.
<u>Work/Hygiene practices:</u>	Ensure good ventilation of working area
<u>Engineering Measures:</u>	Ensure adequate ventilation, especially in confined areas.

9 - - - Physical data and chemical properties:

Appearance @ 20°C	Liquid yellow to dark yellow
Odour	Characteristic - Fresh, citrus fruit
Specific gravity @ 20°C	0.870 - 0.888
Refractive index @ 20°C	1.460 – 1.470
Flash point (°C)	+15.0 to +35.0

10 - - - Stability and Reactivity:

<u>Reactivity:</u>	It presents no significant reactivity hazards, by itself or in contact with water.
<u>Chemical Stability:</u>	Stable under normal temperature conditions.
<u>Possibility of hazardous reactions</u>	None under normal use conditions.
<u>Conditions to avoid</u>	Avoid storage temperatures above 25°C
<u>Incompatible materials</u>	Avoid contact with strong acids, alkalis and oxidising agents.
<u>Hazardous decomposition products</u>	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11 - - - Toxicological information:

Acute toxicity:	Acute oral toxicity LD50 orl-rat: 11.52g/kg (RIFM)
Skin corrosion / irritation:	Causes skin irritation under EC 1272/2008 guidelines.
Serious eye damage/irritation:	Not irritating, according to RIFM data.
Respiratory or skin sensitisation:	May cause skin sensitisation under EC1272/2008 guidelines
Germ cell mutagenicity:	No additional data given
Carcinogenicity:	No additional data given
Reproductive toxicity:	No additional data given
STOT-single exposure:	No additional data given
STOT-repeated exposure:	No additional data given
Aspiration hazard:	May be fatal if swallowed and enters airways
Other information:	No data. Partial reduction of the furanocoumarin content for this product should theoretically tend to reduce the photo-toxic effect, but this is not backed up by any published experimental proof.

12 - - - Ecological information:

<u>Toxicity:</u>	Classified as H410: very toxic to aquatic life with long-lasting effects.
<u>Persistence and degradability:</u>	Should be easily biodegradable, therefore of low persistence threat.
<u>Bio-accumulative potential:</u>	Very toxic to life with long-lasting effects
<u>Mobility in soil:</u>	No additional data available. _
<u>Results of PBT and VPVB assessment:</u>	No additional data available.
<u>Other adverse effects</u>	NA

13 - - - Disposal considerations:

Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal

company.

14 - - - Transport information:



Warning Icon	
Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30
Hazchem Code	•3YE
UN No. SEA	UN 1169
IMDG Class	Class 3
IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15 - - - Regulatory information:

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

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

Chemical safety assessment

An assessment has not been executed as this is not a hazardous material according to article 31 of REACH 1907/2006.

16 - - - Other information:

Training instructions: Refer to possible hazard before use of this product.

Abbreviations and acronyms:

MSDS	Material Safety Data Sheet
INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service
IMDG	International Maritime Code for Dangerous Goods

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ADR	Accord européen 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 and Labelling of Chemicals
Trem Card	Transport Emergency Card
STOT	Specific Target Organ Toxicity
N/A	Not Available

Complies with REACH guidance for SDS as circulated by ECHA 2011.

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 it's' 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.

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