

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

<u>Product Name:</u>	Lime Essential Oil Organic				
<u>Biological Definition:</u>	Citrus Aurantifolia Peel Oil Expressed is the essential oil expressed from the epicarps of the Lime, Citrus Aurantifolia, Rutaceae.				
<u>INCI Name :</u>	Citrus Aurantifolia Peel Oil Expressed				
<u>Synonyms & Trade Names :</u>	---				
<u>Internal Product Code:</u>	R00237				
FEMA No.	2631	FDA No.	§182.20	CoE No.	141
CAS-No	90063-52-8	EC No.	290-010-3	EINECS No.	290-010-3
<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:

2.1 Classification of the substance or mixture

Classification (67/548/EEC)	Xn-N R10-38-43-50/53-65
Classification (EU 1272/2008)	UN-GHS: FL 3, AH 1, SCI 2, SS 1, EH C1 EU-CLP: FL 3, AH 1, SCI 2, SS 1, EH C1

2.2 Label elements

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

GHS Label:



Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

Signal word:	Danger
Contains	Limonene, gamma-terpinene, beta-pinene, citral, alpha-pinene, sabinene. Myrcene.
Hazard Statements:	H226 Flammable vapour & liquid H304 May be fatal if swallowed and enters airways H315 May cause skin irritation H317 May cause an allergic skin reaction 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 CENTER or doctor/physician. P303/361/353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin P331 Do NOT induce vomiting
Supplementary Precautionary Statements:	P241 Use explosion-proof electrical/ventilating/lighting equipment. P405 Store locked up
Risk phrases and Safety phrases in full refer to <i>Section 16 – Other Information</i>	

2.3 Other hazards

Adverse physio-chemical properties Combustible but should not self-ignite

Adverse effects on human health Repeated or prolonged contact may cause sensitisation

3 - Composition and information on ingredients:

3.1 Substances

53 - 63% Limonene CAS: 5989-27-5 UN-GHS: SCI 2; SS 1; EH A1,C1
 13 - 17% Sabinene (CAS: 3387-41-5) + beta-Pinene (CAS: 18172-67-3) UN-GHS: - - -
 10 - 18% gamma-Terpinene CAS: 99-85-4 UN-GHS: ATO 5(3850); SCI 3
 1 - 5% Myrcene CAS: 123-35-3 UN-GHS: EDI 2A, SCI 2
 2.3 - 4.8% Citral CAS: 5392-40-5 UN-GHS: ATO 5(4950); ATD 5(2250); SCI 2; SS 1; EH A2
 1.8 - 3.6% alpha-Pinene (CAS: 80-56-8) + alpha Thujene (CAS: 2867-05-2) UN-GHS alpha-Pinene: ATO 5(3700), SCI 2, SS 1
 0.8% Linalool CAS: 78-70-6 UN-GHS: ATO 5(3000), EDI 2A, EH A3,SCI2 0.6% Geraniol CAS: 106-24-1 UN-GHS: ATO 5(4200); SCI 2; EDI 1; SS 1; EH A2
 0.03% Citronellol CAS: 106-22-9 UN-GHS: ATO 5(3450); ATD 5(2650); SCI 2; SS 1; EH A2

3.2 Mixtures

EU INCI	US INCI
N/A	N/A

Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

4 - First aid measures:

4.1 Description of first aid measures

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

4.2 Most important symptoms and effects, both acute and delayed

N/A

4.3 Indication of any immediate medical attention and special treatment needed

N/A

5 - Fire - Fighting measures:

5.1 Extinguishing Media

Use CO₂, Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture.

None

5.3 Advice for fire-fighters

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:

6.1 Personal precautions

Maintain good occupational and personal hygiene. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not discharge directly into drains or soil. Keep away from surface and ground water.

6.3 Methods and material for containment and cleaning up

Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

6.4 References to other sections.

Please refer to *Section 8 - Exposure controls/personal protection* for further information on personal precautions

Please refer to *Section 13 - Disposal Considerations* for further information on waste treatment.

7 - Handling and storage:

7.1 Precautions for safe handling

Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

7.2 Conditions for safe storage, including any incompatibilities

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.

7.3 Specific end use(s)

N/A

8 - Exposure controls and personal protection:

8.1 Control Parameters

None.

8.2 Exposure Controls

Eye protection



Use safety glasses.

Hand protection



Avoid all skin contact. Use chemically resistant gloves if required.

Hygiene Measures

Wash hands with soap & water after handling.

Engineering Measures

Ensure good ventilation of working area.

Respiratory Equipment

As required. Avoid breathing product vapour.

9 - Physical data and chemical properties:

9.1 Information on basic physical and chemical properties

Appearance	Mobile liquid
Colour	Greenish to green
Odour	Characteristic
Relative Density	0.845 to 0.855 @ 20°C
Flash Point (°C)	50 c/c
Refractive Index	1.470 to 1.480 @ 20°C
Melting Point (°C)	Not given
Boiling Point (°C)	Not given

Vapour Pressure	Not given
Solubility in Water @20°C	Negligible
Auto-ignition temperature (°C)	Not determined

9.2 Other information

N/A

10 - Stability and Reactivity:

10.1 Reactivity

It presents no significant reactivity hazards, by itself or in contact with water.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Avoid storing in temperatures over 25°C.

10.5 Incompatible materials

Avoid contact with strong acids, alkali or oxidising agents.

10.6 Hazardous decomposition products

Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11 - Toxicological information:

11.1 Information on toxicological effects.

Acute toxicity:	Acute oral toxicity LD50 > 5g/kg (RIFM)
Skin corrosion / irritation:	Causes skin irritation according to EC1272/2008 guidelines
Serious eye damage/irritation:	Does not cause eye irritation (RIFM)
Respiratory or skin sensitisation:	May cause an allergic skin reaction according to EC 1272/2008 guidelines
Germ cell mutagenicity:	Not determined
Carcinogenicity:	Not determined
Reproductive toxicity:	Not determined
STOT-single exposure:	Not determined
STOT-repeated exposure:	Not determined
Aspiration hazard:	Hazard Category 1 according to EC 1272/2008 guidelines
Other information:	Not phot-toxic (bergaptenes and FCF's reduced/removed).

12 - Ecological Information:

12.1 Toxicity

Very toxic to aquatic life with long-lasting effects

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

EC50 (algae/aquatic plants) 55.9 mg/l (48h) – RIFM

12.2 Persistence and degradability

Not determined.

12.3 Bio-accumulative potential

Considered readily biodegradable.

12.4 Mobility in soil

Considered low considering expected biodegradability.

12.5 Results of PBT and VPVB assessment

Data not found.

12.6 Other adverse effects

N/A

13 - Disposal Considerations:

13.1 Waste Treatment Methods

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

Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

15 - Regulatory Information:

15.1 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) No793/93 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.

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
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
Risk Phrases in full:	R38 Irritating to skin R43 May cause sensitisation by skin contact R50/53 Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed
Hazard Statements in full:	S24 Avoid contact with skin S37 Wear suitable gloves S61 Avoid release to the environment. Refer to special instructions / safety data sheets

Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

S62 If swallowed, do not induce vomiting: seek medical advice immediately
H411 Toxic to aquatic life with long-lasting.

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

Disclaimer

This information contained herein is believed to be true and correct at the time of our response. Any views or opinions presented in this document are solely those of the author and do not necessarily represent those of Akoma International (UK) Ltd. Neither can we guarantee the accuracy of any of the information or data contained within. It is not, and should not be construed as, a guarantee or warranty, or a part of our contractual or other legal obligations. Disclosure, reproduction or transmission, in whole or in part, without prior written consent of Akoma International (UK) Ltd is not permitted.

Revised: 05/07/2017

AKÖMA™
FROM THE HEART

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com