









Section 1: Identification					
1.1 Product Identification					
Product name	Lime, essential oil	Product number	E1026		
Biological definition	Citrus Aurantifolia Oil is the volatile oil obtained from the epicarps of the Lime, Citrus Aurantifolia, Rutaceae.				
INCI Name	Citrus Aurantifolia Peel Oil				
Trade name	-				
Organic	Yes	CAS	8008-26-2	EC	290-010-3
1.2 Area of use					
Area of use	This substance is used in the following products: washing & cleaning products, biocides (e.g. disinfectants), air care products, polishes and waxes, perfumes and fragrances and cosmetics and personal care products.				
Avoid to use	See section 2.				
1.3 Details of the supplier of the safety data sheet					
Company Address	Opella AB Lundavägen 1 247 50 Dalby		(+46) 08-12151215		<a href="mailto:info@opella.se">info@opella.se</a>
					<a href="http://www.opella.se">www.opella.se</a>
1.4 Emergency contacts					
Contact	<b>Jonas Persson</b>		(+46) 08-12151215		

Section 2: Hazards Identification					
2.1 Classification of the substance or mixture					
EG 1272/2008 (CLP)	Flam. Liq. 3 Asp. Tox 1 Skin Irrit. 2	Skin Sen. 1 Aquatic Chr. 2			
2.2 Label elements					
GHS Label		-			
	GHS02	-	GHS07	GHS08	GHS09
Signal word	Danger				
Hazard statement	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.				
Precautionary statements	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+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... P331 Do NOT induce vomiting. P501 Dispose of contents/container to ...				
Supplementary precautionary statements	-				

### 2.3 Other hazards

Adverse physico-chemical properties	Combustible but should not self-ignite.
Adverse effects on human health	Skin contact may cause irritation/sensitization.

## Section 3: Composition of Ingredients

### 3.1 Substances

Identification	Volym %	EC number	CAS number	Classification CLP
Limonene	53-63%	227-813-5	5989-27-5	Flam. Liq 3 - H226; Skin Irrit. 2 - H315; Asp Tox. 1 - H304; Skin Sens. 1 - H317; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Sabinene	13-17%	222-212-4	3387-41-5	Flam. Liq 3 - H226; Asp Tox. 1 - H304
$\gamma$ -Terpinene	10-18%	202-794-6	99-85-4	Flam. Liq 3 - H226; Asp Tox. 1 - H304
Myrcene	1-5%	204-622-5	123-35-3	Flam. Liq 3 - H226; Asp Tox. 1 - H304; Skin Irrit. 2 - 315; Eye Irrit. 2 - H319; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410
Citral	2,3-4,8%	226-394-6	5392-40-5	Skin Irrit. 2 - H315; Skin Sens. 1B - H317; Eye Irrit. 2 - H319
$\alpha$ -Pinene	1,8-3,6%	201-291-9	80-56-8	Flam. Liq 3 - H226; Skin Irrit. 2 - H315; Skin Sens. 1 - H317; Asp Tox. 1 - H304
Linalool	0,8%	201-134-4	78-70-6	Skin Irrit. 2 - 315; Skin Sens. 1B - H317; Eye Irrit. 2 - H319
Geraniol	0,6%	203-377-1	106-24-1	Skin Irrit. 2 - 315; Skin Sens. 1B - H317; Eye Dam. 1 - H318

### 3.2 Mixtures

Identification	Volym %	CLP	Not in use	Not in use	Not in use
-	-	-	-	-	-

## Section 4: First Aid Measures

### 4.1 Descriptions of first aid measures

General information	See categories below.
Inhalation	Get medical attention immediately. Remove from exposure site to fresh air, keep at rest, and obtain medical attention.
Ingestion	Rinse mouth with water and obtain medical attention. Do not induce vomiting.
Skin contact	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.
Eye contact	Flush immediately with water. Contact physician if symptoms persist.
PPE for assisting person	-

### 4.2 Most important symptoms & effects

-

### 4.3 Identification of any immediate medical or special treatment required

-

### Section 5: Fire Fighting Measures

#### 5.1 Extinguishing material

Use CO<sub>2</sub>, chemical powder or foam.

Do not use H<sub>2</sub>O

#### 5.2 Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

#### 5.3 Advice for fire-fighters

Wear appropriate protective clothing and positive-pressure self-contained breathing apparatus (SCBA).

### Section 6: Accidental Release Measures

#### 6.1 Personal precautions

Ensure adequate ventilation of the working area and wear suitable protective equipment. Avoid contact with skin, eyes and clothing.

#### 6.2 Environmental precautions

Do not discharge into drains, water courses or onto the ground. Dispose in line with applicable regulations.

#### 6.3 Methods and material for containment and cleaning up

Contain spillage immediately by use of sand or inert powder. Avoid excessive inhalation of vapours. Dispose in line with applicable regulations.

#### 6.4 References to other sections

See section 8 and 13.

### Section 7: Handling and Storage

#### 7.1 Precautions for safe-handling

Handle in accordance with good hygiene and safety practice. Store in original packages in areas with adequate ventilation.

#### 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

N/A

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### 8.2 Exposure controls

Suitable technical controls Use areas with adequate ventilations.

Eye protection



Use eye protection / face protection

Hand protection



Use protective gloves

Respiratory equipment

Use areas with adequate ventilations.

Hygiene measures

Wash hands with soap and water after handling of material.

### Section 9: Physical and Chemical Properties

#### 9.1 Physical and chemical properties

Appearance	Colourless - green
Odour	Citrus
PH	-
Melting point	-
Boiling point	-
Flash point	50°C
Relative density	0,845 - 0,855 @ 20°C
Solubility in water	Insoluble in water.

#### 9.2 Other information

-

### Section 10: Stability and Reactivity

#### 10.1 Reactivity

No hazardous reaction if stored and handled as prescribed.

#### 10.2 Chemical stability

Stable under normal storage conditions.

#### 10.3 Possibility if hazardous reactions

No.

#### 10.4 Conditions to avoid

Storage at high temperatures. Do not store above 25°C.

#### 10.5 Incompatible materials

Strong oxidising substances.

#### 10.6 Hazardous decomposition products

Under fire conditions the product will produce a mixture of irritating fumes, smoke and carbon monoxide.

### Section 11: Toxicological Information

#### 11.1 Toxicological effects

Acute toxicity - oral	Acute oral toxic (LD50: 5000 mg/kg)
Acute toxicity - dermal	No data
Acute toxicity - inhalation	No data
Respiratory or skin sensitivity	H315 Causes skin irritation (Skin Irrit. 2)
Eye damage or irritation	No data
Germ cell mutagenicity	No data
Carcinogenicity	No data
Reproductive toxicity	No data
STOT - single exposure	No data
STOT - repeated exposure	No data
Other information	H304 May be fatal if swallowed and enters airways (Asp. Tox. 1)

### Section 12: Ecological Information

#### 12.1 Toxicity

H411 Toxic to aquatic life with long lasting effects (Aquatic Chronic 2)

#### 12.2 Persistence and degradability

This material is considered readily biodegradable, therefore does not fulfil the criteria for persistence.

#### 12.3 Bio- accumulative potential

Bio- accumulation potential.

#### 12.4 Mobility in soil

This material is considered readily biodegradable, therefore simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH Annex IX.

#### 12.5 Results of PBT and 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 Considerations

#### 13.1 Waste treatments methods

Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with applicable regulations.

### Section 14: Transportation Information

Transport information	Extracts, Aromatic Liquid NOS
UN-nummer	UN 1169
Transport hazard class	Class 3, ID 30
Packing group	Pk Gp III
Environmental hazards	See section 2 and 12.
Special precautions	-

### Section 15: Regulatory Information

#### 15.1 Product specific safety, health and environmental regulations

EU directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.
Statutory instruments	-
Approved code of practice	-
Other EU directives	Council Directive 1999/13/EC of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations.

#### 15.2 Chemical safety assessment

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### Section 16: Other Information

#### 16.1 Abbreviations & acronyms

INCI	International Nomenclature of Cosmetic Ingredients
CAS	Chemical Abstract Service.
ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
STOT	Specific Target Organ Toxicity
EINECS	European Inventory of Existing Commercial Chemical Substances
CLP	CLP EU regulation (Classification, labelling and packaging)
VOC	Volatile Organic Compounds.

#### 16.2 Disclaimer

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#### 16.3 Document revision

Date	Change description
2021-03-01	Created