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SAFETY DATA SHEET LIME OIL DISTILLED

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Essential oil Lemon - Etherische olie Limoen
Product number	30191 - EO015
CAS number	8008-26-2

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Concentrated material for manufacturing purposes only.

1.3. Details of the supplier of the safety data sheet

SUPPLIER	SoapQueen vof Veilingdreef 20 4614 RX Bergen op Zoom Nederland
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CONTACT PERSON	Regulatory Manager (Aanwezige leidinggevende)
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1.4. Emergency telephone number

EMERGENCY TELEPHONE	+31 (0)164 254900 - Office Hours: 09:00 - 17:00 (weekdays only)
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SECTION 2: Hazards identification

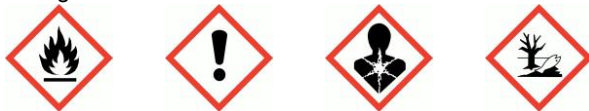
2.1. Classification of the substance or mixture Classification

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R36/38. N; R50/53. R10, R43

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

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.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

Precautionary statements	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapour/spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
Contains	LIMONENE, p-MENTHA-1,4-DIENE (GAMMA-TERPINENE), p-MENTHA-1,3-DIENE (ALPHA-TERPINENE), PIN-2(10)-ENE (BETA-PINENES), MYRCENE, PIN-2(3)-ENE (ALPHA-PINENES), p-CYMENE, CITRAL, BISABOLENE
Supplementary precautionary statements	<p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>

2.3. Other hazards**SECTION 3: Composition/information on ingredients**3.2. Mixtures

LIMONENE	30-60%
CAS number: 138-86-3	EC number: 205-341-0
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R38. N; R50/53. R10, R43
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	
ALPHA-TERPINEOL	10-30%

SAFETY DATA SHEET

CAS number: 10482-56-1	EC number: 233-986-8	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38	
p-MENTHA-1,4-DIENE (GAMMA-TERPINENE)		10-30%
CAS number: 99-85-4	EC number: 202-794-6	
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn; R65. R10	
p-CYMENE		1-5%
CAS number: 99-87-6	EC number: 202-796-7	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn; R65. N; R51/53. R10	
PIN-2(3)-ENE (ALPHA-PINENES)		1-5%
CAS number: 80-56-8	EC number: 201-291-9	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R38. R43	
MYRCENE		1-5%
CAS number: 123-35-3	EC number: 204-622-5	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R36/38. R10	
PIN-2(10)-ENE (BETA-PINENES)		1-5%
CAS number: 127-91-3	EC number: 204-872-5	

SAFETY DATA SHEET

M factor (Acute) = 1	M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R38. N; R50/53. R43, R10	
p-MENTHA-1,3-DIENE (ALPHA-TERPINENE)		1-5%
CAS number: 99-86-5	EC number: 202-795-1	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn; R65, R22. N; R51/53. R10	
CAMPHENE		<1%
CAS number: 79-92-5	EC number: 201-234-8	
M factor (Acute) = 1		
Classification Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R36. N; R50, R51/53. R10	
BISABOLENE		<1%
CAS number: 495-62-5	EC number: 207-805-8	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R38. R43	
CITRAL		<1%
CAS number: 5392-40-5	EC number: 226-394-6	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38. R43	

SAFETY DATA SHEET

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. See Section 11 for additional information on health hazards.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Toxic gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Keep combustible materials away from spillage. Eliminate all sources of ignition. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Wash thoroughly after dealing with a spillage.
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6.4. Reference to other sections

SAFETY DATA SHEET

SECTION 7: Handling and storage7.1. Precautions for safe handling

Usage precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin, eyes and clothing.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.
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7.3. Specific end use(s)**SECTION 8: Exposure Controls/personal protection**8.1. Control parameters8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.
Hygiene measures	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: Physical and Chemical Properties9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless. to Green-yellow.
Odour	Characteristic.
Flash point	59°C
Relative density	~ 0.861 @ 20°C

SAFETY DATA SHEET

Solubility(ies) Insoluble in water.

9.2. Other information

Refractive index
~ 1.475 @ 20°C

SECTION 10: Stability and reactivity10.1. Reactivity 10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information11.1. Information on toxicological effectsAcute toxicity - oral

ATE oral (mg/kg) 56,000.0

Ingestion May be fatal if swallowed and enters airways.

Skin contact Causes skin irritation. May cause sensitisation by skin contact.

Eye contact Causes serious eye irritation.

Toxicological information on ingredients. p-MENTHA-1,3-DIENE (ALPHA-TERPINENE)Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,680.0

Species Rat

ATE oral (mg/kg) 1,680.0

SECTION 12: Ecological Information

Ecotoxicity Very toxic to aquatic life with long lasting effects.

12.1. ToxicityEcological information on ingredients.Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

LIMONENE

SAFETY DATA SHEET

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

PIN-2(10)-ENE (BETA-PINENES)Acute aquatic toxicityLE(C)₅₀ 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is insoluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects**SECTION 13: Disposal considerations**13.1. Waste treatment methods

Disposal methods Dispose of waste product or used containers in accordance with local regulations SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1169

UN No. (IMDG) 1169

UN No. (ICAO) 1169

UN No. (ADN) 1169

14.2. UN proper shipping name

Proper shipping name (ADR/RID) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (IMDG) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (ICAO) EXTRACTS, AROMATIC, LIQUID

Proper shipping name (ADN) EXTRACTS, AROMATIC, LIQUID

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

SAFETY DATA SHEET

IMDG class 3
 ICAO class/division 3
 ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group III
 IMDG packing group III
 ADN packing group III
 ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-E, S-D
 ADR transport category 3
 Emergency Action Code 3Y
 Hazard Identification Number (ADR/RID) 30
 Tunnel restriction code (D/E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

EU legislation 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 (as amended).
 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) (as amended).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SAFETY DATA SHEET

SECTION 16: Other information

Key literature references and sources for data	European Chemicals Agency, http://echa.europa.eu/
Issued by	Regulatory Manager
Revision date	18/01/2016
Revision	1
Risk phrases in full	R10 Flammable. R36/38 Irritating to eyes and 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	H226 Flammable liquid and vapour. H302 Harmful if swallowed. 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

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