



SAFETY DATA SHEET LAVANDIN OIL GROSSO 8

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name	LAVANDIN OIL GROSSO 8
Chemical name	LAVENDER, LAVANDULA HYBRIDA, EXT.
Product number	LAVOLGR8, 1D
REACH registration number	01-2120736147-55-XXXX
REACH registration notes	REACH registration only covers products which the supplier has imported into Europe or sourced within Europe. If the product is sold directly outside Europe this is not covered under the registration. It is the responsibility of the subsequent importer into Europe to ensure their volume of product is covered under the REACH regulations.
CAS number	91722-69-9
EC number	294-470-6

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

Identified uses	Fragrance.
Uses advised against	This product must not be used as a biocide as it not been registered as an "Active Substance" under EC 528/2012

1.3. Details of the supplier of the safety data sheet

Supplier	Holland Aromatics B.V. Transistorstraat 111 1322 CL ALMERE The Netherlands T: +31 (0)36 536 33 35 E: customercare@hollandaromatics.nl
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1.4. Emergency telephone number

Emergency telephone	+31 (0)36 536 33 35
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

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EC number 294-470-6

Hazard pictograms

Signal word Warning

Hazard statements
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
 P261 Avoid breathing vapour/ spray.
 P264 Wash contaminated skin thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P321 Specific treatment (see medical advice on this label).

Contains 3,7-DIMETHYL-1,6-OCTADIEN-3-OL, 3,7-DIMETHYL-1,6-OCTADIEN-3-OL ACETATE, 1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE, Terpinene-4-ol, COUMARIN, GERANYL ACETATE, (R)-P-MENTHA-1,8-DIENE, NERYL ACETATE, GERANIOL, BETA CARYOPHYLLENE, 1-OCTEN-3-YL ACETATE

Supplementary precautionary statements
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P501 Dispose of contents/ container in accordance with national regulations.

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

3,7-DIMETHYL-1,6-OCTADIEN-3-OL	25-50%
CAS number: 78-70-6	EC number: 201-134-4
Classification Skin Sens. 1B - H317	
3,7-DIMETHYL-1,6-OCTADIEN-3-OL ACETATE	25-50%
CAS number: 115-95-7	EC number: 204-116-4
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317	

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Terpinene-4-ol	2.5-10%
CAS number: 562-74-3	EC number: 209-235-5
Classification	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
STOT SE 3 - H336	
DL-BORNEOL	2.5-10%
CAS number: 507-70-0	EC number: 208-080-0
Classification	
Flam. Sol. 1 - H228	
Aquatic Chronic 2 - H411	
BORNAN-2-ONE	2.5-10%
CAS number: 76-22-2	EC number: 200-945-0
Classification	
Flam. Sol. 2 - H228	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
STOT SE 2 - H371	
1,3,3-TRIMETHYL-2-OXABICYCLO[2,2,2]OCTANE	2.5-10%
CAS number: 470-82-6	EC number: 207-431-5
Classification	
Flam. Liq. 3 - H226	
Skin Sens. 1 - H317	
COUMARIN	<2.5%
CAS number: 91-64-5	EC number: 202-086-7
Classification	
Acute Tox. 4 - H302	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	

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GERANIOL	<2.5%
CAS number: 106-24-1	EC number: 203-377-1
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1A - H317	
1-OCTEN-3-YL ACETATE	<2.5%
CAS number: 2442-10-6	EC number: 219-474-7
Classification	
Acute Tox. 4 - H302	
Skin Sens. 1B - H317	
NERYL ACETATE	<2.5%
CAS number: 141-12-8	EC number: 205-459-2
Classification	
Skin Sens. 1B - H317	
GERANYL ACETATE	<2.5%
CAS number: 105-87-3	EC number: 203-341-5
Classification	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	
(R)-P-MENTHA-1,8-DIENE	<2.5%
CAS number: 5989-27-5	EC number: 227-813-5
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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7-METHYL-3-METHYLEN-1,6-OCTADIENE	<2.5%
CAS number: 123-35-3	EC number: 204-622-5
M factor (Acute) = 1	
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	
3,7-dimethylocta-1,3,6-triene	<2.5%
CAS number: 13877-91-3	EC number: 237-641-2
M factor (Acute) = 1	
Classification	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	
ALPHA TERPINEOL	<2.5%
CAS number: 98-55-5	EC number: 202-680-6
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
BETA CARYOPHYLLENE	<2.5%
CAS number: 87-44-5	EC number: 201-746-1
Classification	
Skin Sens. 1B - H317	
Asp. Tox. 1 - H304	
Aquatic Chronic 4 - H413	

The full text for all hazard statements is displayed in Section 16.

Composition comments EINECS CAS is 93455-97-1, REACH registered under Lavandin Oil Generic EINECS CAS 91722-69-9/EC 294-470-6

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation

Move affected person to fresh air at once. When risk of unconsciousness, place and transport the victim in secured side position. Get medical attention if any discomfort continues.

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Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing and shoes. Wash clothing and clean shoes thoroughly before reuse. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water, then wash with an ocular lotion standard Dacryoserum. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	No information available.

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

General information	No information available.
Inhalation	No information available.
Ingestion	No information available.
Skin contact	May cause an allergic skin reaction.
Eye contact	Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Emits toxic fumes under fire conditions.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO ₂).

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to flames with water until well after the fire is out. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke.
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 protective clothing as described in Section 8 of this safety data sheet. Immediately evacuate personnel to safe areas. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Avoid inhalation of vapours. Avoid contact with eyes.
For non-emergency personnel	No information available.
For emergency responders	No information available.

6.2. Environmental precautions

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Environmental precautions Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if the product has caused environmental pollution (soil, waterways, drains or sewers).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Small Spillages: Absorb spilled liquid with inert absorbent. Collect waste in suitable containers, which can be labelled and sealed. Large Spillages: Diking with sand or diatomaceous earth, pumping and rinsing with water after recovery of specific waste in plastic drums with labeled then deliver to an approved waste facility. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal-binding agents).

6.4. Reference to other sections

Reference to other sections See Section 7 for information on safe handling. Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Provide adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Reproduce labels if transfer to another container.

Advice on general occupational hygiene Take off contaminated clothing. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash skin thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse.

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, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from freezing and direct sunlight.

Storage class No information available.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description No information available.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No information available.

3,7-DIMETHYL-1,6-OCTADIEN-3-OL

No information available.

Ingredient comments No exposure limits known for ingredient(s).

Biological limit values No information available.

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DNEL Workers - Inhalation; Long term systemic effects: 0.877 mg/m³
 Workers - Dermal; Long term systemic effects: 0.249 mg/kg/day
 General population - Inhalation; Long term systemic effects: 0.132 mg/m³
 General population - Dermal; Long term systemic effects: 88.9 µg/kg bw/day
 General population - Oral; Long term systemic effects: 88.9 µg/kg bw/day

DMEL No information available.

PNEC QSAR
 - Fresh water; 58 µg/L
 - marine water; 5.8 µg/L
 - STP; 10 mg/l
 - Sediment (Freshwater); 1.13 mg/kg
 - Sediment (Marinewater); 0.113 mg/kg
 - Soil; 191 µg/kg
 - Oral (secondary poisoning); 7.8 mg/kg
 QSAR
 - Fresh water; 24 µg/L
 - marine water; 2.4 µg/L
 - STP; 1 mg/l
 - Sediment (Freshwater); 518 µg/kg
 - Sediment (Marinewater); 51.8 µg/kg
 - Soil; 89.4 µg/kg
 QSAR
 - Fresh water; 2.9 µg/L
 - marine water; 0.29 µg/L
 - STP; 4.15 mg/l
 - Sediment (Freshwater); 247 µg/kg
 - Sediment (Marinewater); 24.7 µg/kg
 - Soil; 47.7 µg/kg
 - Oral (secondary poisoning); 7.8 mg/kg

3,7-DIMETHYL-1,6-OCTADIEN-3-OL (CAS: 78-70-6)

Ingredient comments No information available.

Biological limit values No information available.

DNEL Workers - Inhalation; Long term systemic effects: 0.658 mg/m³
 Workers - Inhalation; Short term systemic effects: 0.658 mg/m³
 Workers - Dermal; Long term systemic effects: 4.356 mg/kg/day
 Workers - Dermal; Short term systemic effects: 4.356 mg/kg/day
 General population - Inhalation; Long term systemic effects: 0.296 mg/m³
 General population - Inhalation; Short term systemic effects: 0.296 mg/m³
 General population - Dermal; Long term, Short term systemic effects: 1.556 mg/kg/day
 General population - Oral; Long term, Short term systemic effects: 0.067 mg/kg/day

DMEL No information available.

PNEC - Fresh water; 0.008 mg/l
 - marine water; 0.001 mg/l
 - STP; 2.57 mg/l
 - Sediment (Freshwater); 37.11 mg/kg
 - Sediment (Marinewater); 3.711 mg/kg
 - Soil; 7.42 mg/kg

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Emergency shower and eye wash facilities should be readily available

Personal protection

No information available.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Safety glasses with side shields conforming to EN166

Hand protection

Use protective gloves. The gloves must satisfy the specifications of EU directive 89/686/EEC and the standard EN 374 derived from it. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Chemical resistant boots should comply with European standard EN345. Body protection must be chosen depending on activity and possible exposure, eg. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin, eyes and clothing. Keep away from foodstuffs, beverages and feed. Wash hands thoroughly after handling. Good personal hygiene procedures should be implemented. Take off immediately all contaminated clothing. When using do not eat, drink or smoke.

Respiratory protection

For insufficient ventilation, wear suitable respiratory protection.

Thermal hazards

No information available.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pale yellow.
Odour	Lavender. camphoraceous
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	73°C Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.

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Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.889 @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.
Comments	No information available.

9.2. Other information

Other information	No information available.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under the prescribed storage and handling conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not occur.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising agents.
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10.6. Hazardous decomposition products

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Hazardous decomposition products None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Other health effects No information available.

Acute toxicity - oral

Notes (oral LD₅₀) Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 LD₅₀ > 5 000 mg/kg, bw, Oral, Rat Klimisch rating 2 year 1973

ATE oral (mg/kg) 4,545.45

Acute toxicity - dermal

Notes (dermal LD₅₀) No information available.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 LD₅₀ > 5 000 mg/kg, bw, Dermal, Rabbit klimisch rating 2 1973

ATE inhalation (gases ppm) 75,000.0

ATE inhalation (vapours mg/l) 183.33

ATE inhalation (dusts/mists mg/l) 25.0

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Animal data Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Dose: 0.5 mL, 4 hours, Rabbit Klimisch rating 1 2008 OECD 404 EU Method B.40 Not irritating.

Human skin model test No information available.

Extreme pH No information available.

Serious eye damage/irritation

Summary Category 2 (irritating to eyes)

Serious eye damage/irritation Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Dose: 50 µL, 30 (± 2) minutes, Human klimisch rating 1 2016 OECD 492 Category 2 (irritating to eyes)

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Local Lymph Node Assay (LLNA) - Mouse: Sensitising. Category 1B. Klimisch rating 1 2002 2003 OECD 429 EU B.6

Germ cell mutagenicity

Genotoxicity - in vitro Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Bacterial reverse mutation test: Negative. Klimisch rating 1 2014 OECD471 Gene mutation: Negative. Klimisch rating 1 2017 OECD476 micronucleus test: Negative. Klimisch rating 1 2015 OECD 487

Genotoxicity - in vivo No information available.

Carcinogenicity

Carcinogenicity No information available.

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Target organ for carcinogenicity	No information available.
IARC carcinogenicity	No information available.
NTP carcinogenicity	No information available.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Screening - NOAEL 500 mg/kg/day, Oral, Rat P0 Screening - NOAEL 500 mg/kg/day, Oral, Rat F1 Klimisch rating 2 1989 OECD 421
Reproductive toxicity - development	No information available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No information available.
Target organs	No information available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 NOAEL 160 mg/kg/day, Oral, Rat Klimisch rating 2 1990 OECD 407
Target organs	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	No information available.
<u>Toxicokinetics</u>	
Toxicokinetics	No information available.
<u>General information</u>	
General information	No information available.
Inhalation	No information available.
Ingestion	No information available.
Skin contact	No information available.
Eye contact	No information available.
Acute and chronic health hazards	No information available.
Route of exposure	No information available.
Target organs	No information available.
Medical symptoms	No information available.
Medical considerations	No information available.

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity No information available.

Acute aquatic toxicity

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Acute toxicity - fish	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Calculation method. LL ₅₀ , 96 hours: 17 mg/l, Fish (spp) klimisch rating 2 2017 OECD 203
Acute toxicity - aquatic invertebrates	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 EL50, 24 hours: 34.555 mg/l, Daphnia magna EL50, 48 hours: 21.407 mg/l, Daphnia magna klimisch rating 1 2017 OECD 202 EU method C.2
Acute toxicity - aquatic plants	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 Calculation method. ErL50, 72 hours: 24 mg/l, Pseudokirchneriella subcapitata ErL50, 72 hours: 21 mg/l, Pseudokirchneriella subcapitata ErL50, 72 hours: 22 mg/l, Pseudokirchneriella subcapitata ErL50, 72 hours: 25 mg/l, Pseudokirchneriella subcapitata klimisch rating 2 2017 OECD 201
Acute toxicity - microorganisms	Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6 EC ₅₀ , 3 hours: 1 230 mg/l, Activated sludge NOEC, 3 hours: 488 mg/l, Activated sludge LOEC, 3 hours: 781 mg/l, Activated sludge klimisch rating 1 2017 OECD 209
Acute toxicity - terrestrial	No information available.
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	No information available.
Short term toxicity - embryo and sac fry stages	No information available.
Chronic toxicity - aquatic invertebrates	No information available.
Toxicity to soil	No information available.
Toxicity to terrestrial plants	No information available.
<u>12.2. Persistence and degradability</u>	
Persistence and degradability	No information available.
Phototransformation	No information available.
Stability (hydrolysis)	No information available.

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Biodegradation Lavender, Lavandula hybrida, ext. CAS: 91722-69-9 EC: 294-470-6
 Water - Degradation 108.3: 28 days
 klimisch rating 2
 1994
 OECD 301B
 Readily biodegradable

Biological oxygen demand No information available.

Chemical oxygen demand No information available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility No information available.

Adsorption/desorption coefficient No information available.

Henry's law constant No information available.

Surface tension No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Disposal should be in accordance with applicable regional, national and local laws and regulations.

Disposal methods Must not be disposed of together with household garbage. Do not discharge into drains or the environment, dispose to an authorised waste collection point. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Contaminated packaging: Keep the label on the container, give to a certified disposal company.

Waste class No information available.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

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No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

National regulations	No information available.
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	No information available.
Health and environmental listings	No information available.
Authorisations (Annex XIV Regulation 1907/2006)	No information available.
Restrictions (Annex XVII Regulation 1907/2006)	No information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

No information available.

Canada - DSL/NDSL

No information available.

US - TSCA

No information available.

US - TSCA 12(b) Export Notification

No information available.

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Australia - AICS

No information available.

Japan - ENCS

No information available.

Korea - KECI

No information available.

China - IECSC

No information available.

Philippines – PICCS

No information available.

New Zealand - NZIOC

No information available.

Taiwan - TCSI

No information available.

South Korea

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ECHA: European Chemicals Agency
 CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
 CAS# / CAS NO. CAS-numero (eräs kemikaalien tunnistenumero)
 DNEL: Derived No Effect Level
 EC NO.: EINECS and ELINCS Number (see also EINECS and ELINCS)
 EINECS: European Inventory of Existing Commercial Substances
 ELINCS: European List of notified Chemical Substances
 eSDS / ext-SDS: Extended Safety Data Sheet (SDS with ES attached)
 EU:European Union
 GHS: Globally Harmonized System
 LC50: Lethal Concentration to 50 % of a test population
 LD50: Lethal Dose to 50% of a test population (Median Lethal Dose)
 MSDS: Material Safety Data Sheet
 SDS: Safety Data Sheet
 OR: Only Representative
 PBT: Persistent, Bioaccumulative and Toxic substance
 PNEC: Predicted No Effect Concentration(s)
 PPE: Personal Protection Equipment
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
 SCBA: Self-Contained Breathing Apparatus
 STOT: Specific Target Organ Toxicity
 STOT (RE): Repeated Exposure
 STOT (SE): Single Exposure
 SVHC: Substances of Very High Concern
 UN: United Nations
 vPvB: Very Persistent and Very Bioaccumulative

General information

No information available.

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Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ Material Safety Data Sheet, Misc. manufacturers.
Classification procedures according to Regulation (EC) 1272/2008	No information available.
Training advice	No information available.
Revision comments	This is the first issue.
Revision date	01/09/2020
Revision	000
SDS number	22968
Hazard statements in full	H226 Flammable liquid and vapour. H228 Flammable solid. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H371 May cause damage to organs . 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. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.