

SAFETY DATA SHEET
according to Regulation (EU) n° 2020/878

Issue date: **10.01.2022**
Version n°: **01**

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

1.1. Product identifier

Product name: **NATURAL ESSENCE LAVENDER**
Chemical type: mixture
UFI: XQ10-F0GF-0001-9AY6

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

Identified uses: Room deodorizer.
Uses advised against: Any use other than the uses above identified.

1.3. Details of the supplier of the safety data sheet

Company: HYLA INTERNATIONAL GmbH & Co.KG
Address: Hornbergstr. 49, 70794 Filderstadt GERMANY
Phone: -
Telefax: -
E-mail: -

1.4. Emergency telephone number

+386 1 5800700 (active only during office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aspiration hazard, Hazard Category 1; H304
Sensitisation — Skin, hazard category 1; H317
Eye irritation, Hazard Category 2; H319
Hazardous to the aquatic environment — Chronic Hazard, Category 3; H412

2.2. Label elements

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P301 + P310 - P331 IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of packaging and unused product at an authorized waste disposal facility.

Constituents to be mentioned on the label:

Lavender, Lavandula angustifolia, ext.
Lavender, Lavandula hybrida, ext.

2.3. Other hazards

Physical and chemical:

See SECTION 5.2.

For human health:

See SECTION 4.2.

Effects on the environment:

See SECTION 12.5 and SECTION 12.6.

SECTION 3: Composition/information on ingredients

3.2. Mixture

EC name	CAS no	EINECS no	INDEX no	REACH registration no	CLP classification	[%]
Lavender, Lavandula angustifolia, ext.	90063-37-9	289-995-2	n. a.	n. a.	Asp. Tox. 1; H304 Skin Sens. 1B: H317 Eye Irrit. 2; H319	-

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Lavender, Lavandula hybrida, ext.	91722-69-9	294-470-6	n. a.	n. a.	Aquatic Chronic 3; H412 Skin Sens. 1B; H317 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	-
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SECTION 4: First aid measures

4.1. Description of first aid measures

General indications:	Call a POISON CENTER/doctor if you feel unwell or in case of doubt on health conditions. If medical advice is needed, have product container or label at hand.
Contact with the eyes:	Rinse cautiously with water for several minutes, holding the eyelids open. If eye irritation persists, get medical advice.
Contact with the skin:	Take off immediately all contaminated clothing. Wash with plenty of water. If skin irritation or eruption occurs, get medical advice.
Inhalation:	If you feel unwell, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, get medical advice.
Ingestion:	Immediately call a POISON CENTER. Rinse mouth with water (only if the person is conscious). Do not induce vomiting. In case of spontaneous vomiting, keep the head low so as to prevent the vomit from entering the lungs.

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

Contact with the eyes:	High concentrations of vapours may cause eye irritation, burning, tearing, redness, swelling and blurred vision.
Contact with the skin:	May cause skin allergic reaction, dermatitis and rash.
Inhalation:	High concentrations of vapours may cause transient respiratory irritation, headache and nausea.
Ingestion:	May cause irritation of the gastrointestinal tract. Aspiration of product droplets into the lungs through ingestion or vomiting may cause pulmonary edema and chemical pneumonia.

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

For indication of any immediate medical attention, see SECTION 4.1. Basic first aid and symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable:	CO2 and alcohol resistant foam. For product leaks and spills that have not caught fire, water spray can be used to disperse flammable vapours and protect emergency personnel.
Not suitable:	Direct water jet. However, water can be used to cool closed containers exposed to flames in order to prevent bursts and explosions.

5.2. Special hazards arising from the substance or mixture

In case of fire, carbon oxides and other hazardous combustion products can be released. High concentration of vapours may form explosive mixtures with air.

5.3. Advice for firefighters

Evacuate and isolate the area until complete fire extinction, by limiting access only to trained personnel. Firefighters must always wear appropriate protective equipment: positive pressure self-contained breathing apparatus [ref. EN 137]; fireproof clothing [ref. EN 469]; fireproof gloves [ref. EN 659]; firefighter's boots [ref. HO A29-A30]. Ensure adequate ventilation. Do not breathe fumes/gases/vapours. Avoid contact with eyes, skin and clothing. Stay upwind. Remove containers if it can be done without risk. Prevent the contaminated extinguishing agent flowing into drains or waterways.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment, and procedures in case of emergency

For non-emergency personnel:	In case of spillage of significant amounts of product, evacuate the area. Alert the emergency personnel. Avoid breathing vapours. Avoid contact with eyes, skin and clothing.
For emergency responders:	In case of spillage of significant amounts of product, isolate the area. Ensure adequate ventilation. Remove all ignition sources, if this can be done without risk. Stay upwind and keep out of low areas where vapours can build up and ignite. Avoid breathing vapours. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment (see SECTION 8.2).

6.2. Environmental precautions

Prevent the product from leaking into the environment and run off into drains, surface waters and groundwater.

6.3. Methods and material for containment and cleaning up

Contain the spillage. Cover drains. Adsorb with an inert not combustible material (sand, universal binder, etc.). Collect with non-sparking equipment. Transfer into a suitable container properly labeled. Dispose of in compliance with relevant legislation. Clean surface thoroughly with water to remove residual contamination.

6.4. Reference to other sections

For information on personal protection, see SECTION 8.2. For information on disposal, see SECTION 13.1.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation. Avoid contact with eyes, skin and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take precautionary measures against static discharge. Keep away from incompatible materials (see SECTION 10.5). Wear appropriate personal protective equipment (see SECTION 8.2).

7.2. Conditions for safe storage, including any incompatibilities

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Store in a cool, dry and well ventilated place. Keep the container tightly closed and properly labeled. Avoid exposure to moisture and direct sunlight. Store away from heat, hot surfaces, sparks, open flames and other ignition sources. Take precautionary measures against static discharge. Store away from incompatible materials (see SECTION 10.5).

7.3. Specific end use(s)

See SECTION 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limits value is available for product constituents.

8.2. Exposure controls

The use of personal protective equipment (PPEs) is mandatory if the product is handled at industrial/professional level or in significant quantities. In such circumstances, only PPEs compliant with the standards set out in European reference standards must be worn. PPEs supplier must be consulted in all cases before making a final decision.

Skin protection:	In case of possible skin contact with the product, wear protective clothing against liquid splashes [ref. EN 14605].
Hand protection:	Wear chemical impervious gloves [ref. EN 374] in nitrile rubber (thickness > 0.3 mm --- breakthrough time > 480 minutes) or equivalent. The resistance of gloves material must however be tested before use, as it cannot be predictable in advance. Replace gloves immediately in case of contamination or breakage.
Eye protection:	In case of possible exposure to product splashes, wear safety glasses with side shields [ref. EN 166].
Respiratory protection:	Not needed during normal handling conditions. In case of inadequate ventilation or risk of exposure to high concentrations of vapours, wear a mask with a type A filter for vapours from organic compounds [ref. EN 14387].
Technical and hygienic measures:	Handle the product in accordance with good industrial/professional hygiene and safety practices. Provide local exhaust ventilation suction or other devices to maintain the levels of particles in the air below the recommended exposure limits. Equip areas in which handling and storage of the product takes place with emergency showers and eyewash device. Do not eat, drink, or smoke during use. Wash hands after use. Wash periodically clothes and personal protective equipment to remove contaminants.
Environmental measures:	Operate in accordance with the provisions of the relevant legislation concerning the water protection and waste management. Prevent the product from leaking into the environment and run off into drains, surface waters and groundwater.
Thermal hazard:	Not expected under recommended conditions of use.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour	clear
Odour:	characteristic, scented
Melting point/freezing point:	< - 20 °C
Boiling point:	141.5 °C [data on Lavandula hybrida, ext.]
Flammability:	not flammable
Lower and upper explosion limit:	not relevant for the product (not flammable liquid)
Flash point:	64 °C [ASTM D 93]
Auto-ignition temperature:	235 °C [data on Lavandula angustifolia, ext.]
Decomposition temperature:	not relevant for the product (no decomposition occurs)
pH:	6.5 - 7.5
Kinematic viscosity:	15.50 mm ² /s @ 40 °C [ASTM D 974]
Solubility:	partially soluble in water
Partition coefficient n-octanol/water:	not relevant for the product (mixture)
Vapour pressure:	86.66 Pa @ 25 °C [data on Lavandula hybrida, ext.]
Density and/or relative density:	1.1 g/mL
Relative vapour density:	no test performed
Particle characteristics:	not relevant for the product (liquid)

9.2. Other information

High concentration of vapours may form explosive mixtures with air.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive at standard conditions of temperature and pressure.

10.2. Chemical stability

The product is stable at standard conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

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10.4. Conditions to avoid

Avoid exposure to moisture and direct sunlight. Avoid exposure to heat, hot surfaces, sparks, open flames and other ignition sources. Avoid contact with incompatible materials (see SECTION 10.5).

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Not expected under recommended conditions of use and storage.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Contact with the eyes:	High concentrations of vapours may cause eye irritation, burning, tearing, redness, swelling and blurred vision.
Contact with the skin:	May cause allergic reaction, dermatitis and rash.
Inhalation:	High concentrations of vapours may cause transient respiratory irritation, headache and nausea.
Ingestion:	May cause irritation of the gastrointestinal tract. Aspiration of product droplets into the lungs through ingestion or vomiting may cause pulmonary edema and chemical pneumonia.

a) Acute toxicity

Lavandula angustifolia, ext.	LD ₅₀ oral (rat) > 5000 mg/kg LD ₅₀ dermal (rabbit) > 5000 mg/kg
Lavandula hybrida, ext.	LD ₅₀ oral (rat) > 5000 mg/kg LD ₅₀ dermal (rat) > 5000 mg/kg
Product	Based on available data, the classification criteria are not met.

b) Skin corrosion/irritation

Lavandula angustifolia, ext.	Skin (in vitro) → not irritating [read-across from silimilar compounds]
Lavandula hybrida, ext.	Skin (rabbit) → not irritating
Product	Based on available data, the classification criteria are not met.

c) Serious eye damage/irritation

Lavandula angustifolia, ext.	Eye (in vitro) → irritating [read-across from silimilar compounds]
Lavandula hybrida, ext.	Eye (in vitro) → irritating
Product	H319 - Causes serious eye irritation.

d) Respiratory or skin sensitisation

Lavandula angustifolia, ext.	Skin (mouse) → sensitising
Lavandula hybrida, ext.	Skin (mouse) → sensitising
Product	H317 - May cause an allergic skin reaction.

e) Germ cell mutagenicity

Lavandula angustifolia, ext.	In vitro → not mutagenic
Lavandula hybrida, ext.	In vitro → not mutagenic
Product	Based on available data, the classification criteria are not met.

f) Cancerogenicity

Lavandula angustifolia, ext.	No cancerogenicity effect known
Lavandula hybrida, ext.	No cancerogenicity effect known
Product	Based on available data, the classification criteria are not met.

g) Reproductive toxicity

Lavandula angustifolia, ext.	Animal studies → not reprotoxic
Lavandula hybrida, ext.	Animal studies → not reprotoxic
Product	Based on available data, the classification criteria are not met.

h) STOT-single exposure

Lavandula angustifolia, ext.	No STOT effect known following single exposure
Lavandula hybrida, ext.	No STOT effect known following single exposure
Product	Based on available data, the classification criteria are not met.

i) STOT-repeated exposure

Lavandula angustifolia, ext.	Animal studies → not toxic following repeated exposure
Lavandula hybrida, ext.	Animal studies → not toxic following repeated exposure
Product	Based on available data, the classification criteria are not met.

j) Aspiration hazard

Lavandula angustifolia, ext.	Hazardous in case of aspiration
Lavandula hybrida, ext.	No aspiration hazard known
Product	15.50 mm ² /s @ 40 °C [ASTM D 974]

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H304 - May be fatal if swallowed and enters airways.

11.2. Information on other hazards

There are no known adverse health effects caused by the endocrine disrupting properties or other hazards than those mentioned above.

SECTION 12: Ecological information

12.1. Toxicity

Lavandula angustifolia, ext.	LL ₅₀ fish = 10 - 100 mg/l (96 h) EL ₅₀ daphnia magna = 10 - 100 mg/l (48 h) EL ₅₀ alga = 10 - 100 mg/l (72 h) [QSAR]
Lavandula hybrida, ext.	LL ₅₀ fish = 10 - 100 mg/l (96 h) [QSAR] EL ₅₀ daphnia magna = 10 - 100 mg/l (48 h) EL ₅₀ alga = 10 - 100 mg/l (72 h) [QSAR]
Product	H412 - Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Lavandula angustifolia, ext.	Readily biodegradable
Lavandula hybrida, ext.	Readily biodegradable

Based on the data available for its constituents, the product is expected to be readily biodegradable.

12.3. Bioaccumulative potential

Lavandula angustifolia, ext.	Log Kow = 4.8 [QSAR]
Lavandula hybrida, ext.	Log Kow = 2.38 [data on the main component]

Based on the data available for its constituents, the product is not expected to be bioaccumulative.

12.4. Mobility in soil

Lavandula angustifolia, ext.	No test performed
Lavandula hybrida, ext.	No test performed

The mobility in soil of the product is not predictable in advance, based on the data available for its constituents.

12.5. Results of PBT and vPvB assessment

Product constituents do not satisfy the criteria for PBT or vPvB classification according to Annex XIII of Regulation (EC) 1907/2006 (REACH).

12.6. Endocrine disrupting properties

There are no known adverse effects on the environment caused by endocrine disrupting properties.

12.7. Other adverse effects

The product has no effect on the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product:	Do not recover the product. Do not dispose of with household waste. Do not discharge into drains. The EWC code must be agreed with an authorized waste management company to which disposal must be entrusted, in compliance with relevant legislation.
Packaging:	Empty containers may contain hazardous residues and should not be treated as household waste. Contaminated containers must be reclaimed according to appropriate methods and then reused or disposed of, as appropriate, in compliance with relevant legislation.

SECTION 14: Transport information

The product is not subject to the provisions of existing legislation governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and air (ICAO/IATA).

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

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14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory Information

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

Substances of very high concern (SVHC) (REACH, article 59):	None (in concentration > 0.1% w/w)
Substances subjected to Authorisation (REACH, Annex XIV):	None
Substances subjected to Restriction (REACH, Annex XVII):	Entry 3

The product is not subjected to the provisions of Directive 2012/18/EU.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the product.

SECTION 16: Other information

Methods of evaluating information [art. 9 of Regulation (EC) 1272/2008 (CLP)] used for the purpose of classification:

Aspiration hazard, Hazard Category 1; H304	experimental data
Sensitisation — Skin, hazard category 1; H317	calculation method
Eye irritation, Hazard Category 2; H319	calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 3; H412	calculation method

Key references and data sources:

- ✓ Regulation (EC) 1272/2008 (CLP) (and its subsequent modifications and amendments)
- ✓ Regulation (EC) 1907/2006 (REACH) (and its subsequent modifications and amendments)
- ✓ Safety data sheet of raw materials suppliers

Advice on any training appropriate for workers:

The staff responsible for handling the product should be informed about its hazards and potential risks related to its use and be instructed on the precautions to be taken in order to avoid or limit exposure.

Acronyms:

ADR:	European agreement concerning the international carriage of dangerous goods by road
CAS:	chemical abstracts service
CLP:	classification labelling and packaging
EL:	effective level
EWC:	European waste catalogue
IATA:	international air transport association
ICAO:	international civil aviation organization
IMDG Code:	international maritime dangerous goods code
LD:	lethal dose
LL:	lethal level
PBT:	persistent, bioaccumulative and toxic
REACH:	registration, evaluation and authorization of chemicals
RID:	regulations concerning the international carriage of dangerous goods by rail
vPvB:	very persistent and very bioaccumulative

Notes:

The information provided in this safety data sheet is correct to the best of our knowledge at the date of its publication. The indications given are designed only as a guidance for safe handling, use, processing, storage, transportation and disposal and are not to be considered a warranty or quality specification. The user must verify their suitability and completeness, also in accordance to its particular use of the product.