SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1. Identification of the product

Product name: LAVENDER OIL

CAS: 8000-28-0 / 90063-37-9

EINECS: ---------/289-995-2

EC NEMBER: 289-995-2

INCI: Lavandula Angustifolia Oil, Lavender, Lavandula angustifolia, ext.

Product code: 011220

REACH registration number: 01-2120746582-51-XXXX

1.2. Composition / information on ingredients.

Application. Cosmetics, Perfumery, Aroma-therapy, etc**.**

Prevention: Usage which is not recommended.

1.3. Producer.

Company: IVAN IVANOV ET

Contact info: 39, Alexander Battenberg Blvd

City: Dobrich

Region: Dobrich

Telephone: + 359 897 789 007, +359 886 166 166

E-mail: penelova@yahoo.com

1.4. Emergency telephone number:

+359 2 915 44 09; +359 2 915 43 46 or tel. 112

National Toxicology Center: Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov".

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the mixture

According to Regulation 1272/2008/EO on classification, labelling and packaging of substances and mixtures:

Hazard Phrase / Hazard categories	Hazard code:	GHS Pictogram, Signal word:	GHS precautionary statement:
May be fatal if swallowed and enters airways / Category 1	H 304	Pictogram: GHS08  Signal word: Danger!	Response precautionary statements: P301 + P310, P331 Storage precautionary statements: P405 Disposal precautionary statements: P501
Causes skin irritation / Category 2	H 315	Pictogram: GHS07  Signal word: Caution!	Prevention precautionary statements: P261, P272, P280 Response precautionary statements: P302 + P352, P333 + P313, P321, P363 Disposal precautionary statements: P501
May cause an allergic skin reaction / Category 1	H 317	Pictogram: GHS07  Signal word: Caution!	Prevention precautionary statements: P261, P272, P280 Response precautionary statements: P302 + P352, P333 + P313, P321, P363 Disposal precautionary statements: P501
Causes serious eye irritation / Category 2	H 319	Pictogram: GHS07 	Prevention precautionary statements: P264, P280 Response precautionary statements: P305 + P351

		Signal word: Caution!	+ P338; P337 + P313
Aquatic chronic 3, Harmful to aquatic life with long-lasting effects / Category 3	H 412	Pictogram: n/a Signal word: n/a	Prevention precautionary statements: P273 Disposal precautionary statements: P501
Toxic to aquatic life with long-lasting effects опасност / Category 2	H 411	Pictogram: n/a Signal word: n/a	Prevention precautionary statements: P273 Disposal precautionary statements: P501

For the full text of the H-Statements and Safety Precautions included in this section, see Section 16.

2.2. Labelling

The labelling is according to Regulation 1272/2008/EO on classification, labelling and packaging of substances and mixtures:

Pictograms:



GHS08



GHS07

Signal word: Danger!

Health hazards:

H 304 May be fatal if swallowed and enters airways.

H 315 Causes skin irritation.

H 317 May cause an allergic skin reaction.

H 319 Causes serious eye irritation.

Environmental hazards:

H 412 Harmful to aquatic life with long-lasting effects.

H 411 Toxic to aquatic life with long-lasting effects.

Prevention precautionary statements:

P 273 Avoid release to the environment.

P 280 Wear protective gloves/protective clothing/eye protection/face protection.

Response precautionary statements:

P 305+ P 351+P 338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P 331	Do NOT induce vomiting.
P 302 + P352	IF ON SKIN: Wash with plenty of water.

Storage precautionary statements:

P 405 Store locked up.

Disposal precautionary statements:

P 501 Dispose of contents/container to … […in accordance with local/regional/national/international regulation (to be specified)].

Other EU hazard statements / Physical properties:

EUH 208 Contains linalool and limonene. May produce an allergic reaction.

2.3. Other hazards

Under normal conditions of use and in its original form, the product itself does not involve any other risk to health and the environment.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Chemical characterization: UVCB substance (UVCB - substance of unknown or variable composition, product of complex reactions or biological materials).

Essential oil: Lavender is a natural product. Obtained by steam distillation from the flowering inflorescences of narrow-leaved lavender (Lavandula Angustifolia Mill = Lavandula Officinalis Ch.), Family: Lamiaceae and subsequent separation of water from the oil.

3.2. Hazardous ingredients

Substances presenting a health or environmental hazard in accordance with Regulation (EC) (1272/2008. Community exposure limit at workplace and classified as PBT / vPvB or on the list of applicants:

CAS No: **EC No:**	**Chemical name**	**Content, %**	**Classification:** **Regulation (EC) № 1272/ 2008 (CLP)** **Hazard class, category. Health hazards**
CAS No: 78-70-6 EC No: 201-134-4	Linalool	22.00 – 34.00	❖ Eye irritant, Cat. 2, H319: Causes serious eye irritation ❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Skin sensitizer, Cat. 1, H317: May cause an allergic skin reaction.
CAS No: 115-95-7 EC No: 204-116-4	Linalyl acetate	30.00 – 42.00	❖ Eye irritant, Cat. 2, H319: Causes serious eye irritation ❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Dangerous for the aquatic environment, chronic danger, Cat. 3, H412: Harmful to aquatic life with long-lasting effects.
CAS No:25905-14-0 EC No: 247-327-7	Lavandulyl acetate	Min. 2.0	❖ Not classified according to Regulation (EC) № 1272/ 2008 (CLP).
CAS No: 138-86-3 EC No: 205-341-0/ 931-893-3	Limonene	Max 0.6	❖ Flammable liquid, Cat. 3, H226: Flammable liquid and vapour. ❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Skin sensitizer, Cat. 1, H317: May cause an allergic skin reaction. ❖ Hazardous to the aquatic environment, Acute hazard, Cat. 1, H400: Very toxic to aquatic life.

			❖ Hazardous to the aquatic environment, Chronic hazard, Cat.1, H410: Very toxic to aquatic life with long-lasting effects
CAS No: 470-82-6 EC No: 207-431-5	1.8 cineole /Eucalyptol /	Max 2.0	❖ Skin sensitizer, Cat. 1, H317: May cause an allergic skin reaction. ❖ Flammable liquids, Cat. 2, H225: Highly flammable liquid and vapour. ❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Eye irritant, Cat. 1, H318: Causes serious eye damage. ❖ STOT SE 3 - Specific target organ toxicity - single exposure - Category 3, H335: May cause respiratory irritation. ❖ Respiratory sensitization, H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
CAS No: 13877-91-3 EC No: 237-641-2	Trans-ß-ocimene	2.0 – 5.0	❖ Skin irritant, Cat. 2, H315: Causes skin irritation.. ❖ Skin sensitizer, Cat. 1, H317: May cause an allergic skin reaction.
CAS No: 13877-91-3 EC No: 237-641-2	Cis-ß-ocimeme	3.0 – 9.0	❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Skin sensitizer, Cat. 1, H317: May cause an allergic skin reaction.
CAS No: 464-49-3 / 76-22-2 EC No: 207-355-2 / 200-945-0	Camphor	Max 0.6	❖ Flammable solid, Cat. 2: H228: Flammable solid. ❖ Skin irritant, Cat. 2, H315: Causes skin irritation.. ❖ Serious eye irritation, Cat. 1, H318: Causes serious eye irritation. ❖ Acute toxicity, Cat. 4, H332: Harmful if inhaled, H302: Harmful if swallowed. ❖ STOT SE 2 - Specific target organ toxicity - single exposure - Category 2, H371: May

			cause damage to organs < lung, kidney> <*inhalation, oral, inhalation* >. ❖ Acute toxicity, cat. 2, H330: Fatal if inhaled. ❖ Eye irritant, Cat. 2, H319: Causes serious eye irritation. ❖ STOT SE 3 - Specific target organ toxicity - single exposure - Category 3, H335: May cause respiratory irritation. ❖ Hazardous to the aquatic environment, Chronic hazard, cat.2, H411: Toxic to aquatic life with long-lasting effects. ❖ Flammable liquid, Cat. 3, H226: Flammable liquid and vapour. ❖ Aerosol ❖ Acute toxicity, cat.3, H302: Harmful if swallowed.
CAS No: 562-74-3 EC No: 209-235-5	Terpinen 4-ol	2.0 – 5.0	❖ Acute oral toxicity, cat.4, H302: Harmful if swallowed. ❖ Eye irritant, Cat. 2, H319: Causes serious eye irritation. ❖ Skin irritant, Cat. 2, H315: Causes skin irritation..
CAS No:98-55-5 EC No: 202-680-6	α - Terpineol	0.8 – 2.0	❖ Skin irritant, Cat. 2, H315: Causes skin irritation. ❖ Eye irritant, Cat. 2, H319: Causes serious eye irritation. ❖ STOT SE 3 - Specific target organ toxicity - single exposure - Category 3, H335: May cause respiratory irritation. ❖ Hazardous to the aquatic environment, Chronic hazard, cat. 2, H411: Toxic to aquatic life with long-lasting effects.

(*) The full text of the H-Statements is given in Section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation

In case of inhalation of high concentrations of product vapors during heating and for a longer period of time, abundant supply of fresh air is recommended. See a doctor if necessary. In case of unconsciousness - place and transport in a stable lateral lying position.

- In case of skin contact

Wash immediately with soap and water and rinse thoroughly. If skin irritation persists, seek medical attention.

- In case of eye contact

Remove immediately with a cotton swab and rinse eyes thoroughly with water (for 10 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. In case of redness, irritation or pain in the eyes, seek medical attention immediately.

- If swallowed

Rinse mouth with water. Do not induce vomiting. Seek medical attention if swallowed in large quantities. If the suffered vomits while lying on his back, place in a laterally stable position and seek medical attention..

- Need for qualified medical care (mandatory or recommended)

In case of contact with eyes and if swallowed - recommended.

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

No other important information is available.

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

In case of contact with eyes and if swallowed - seek medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

The product is NOT classified as flammable, in case of fire the following measures must be taken:

5.1. Fire extinguishers.

Recommended extinguishing methods.

Dust or CO2 fire extinguisher. In case of more serious fires, also foam resistant to alcohol and water spray. Do not use a direct stream of water for extinguishing.

5.2. Specific hazards arising from the mixture.

Special risk.

The fire may cause thick, black smoke. As a result of thermal decomposition hazardous products can be formed: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be harmful to your health.

5.3. Tips for firefighters.

Use water to cool tanks, cisterns or containers near a heat source or fire. Read the direction of the wind. Prevent fire-fighting products from entering drains, sewers or waterways.

Fire protection.

Depending on the size of the fire, it may be necessary to use protective suits against heat, individual breathing equipment, gloves, goggles or face masks and gloves.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

See Section 8 for exposure control and personal protection measures.

6.2. Environmental precautions.

Prevent contamination of sewage, surface or groundwater and land.

6.3. Methods and materials for containment and cleaning up.

Dispose of spills with non-flammable absorbent materials (soil, sand, vermiculite, diatomaceous earth, etc.). Pour the product and absorbent into a suitable container. The contaminated area must be cleaned immediately with a suitable deactivator.

Pour the decontaminator over the residue in an open container and leave it to act for a few days until they no longer react.

6.4. Reference to other sections.

See Section 8 for exposure control and personal protection measures.

Follow the recommendations in section 13 for subsequent waste disposal.

SECTION 7: WORK AND STORAGE

7.1. Precautions for safe work.

For personal protection see Section 8.

Never use pressure to empty containers. They are not pressure resistant.

In the field of application, smoking, eating and drinking should be prohibited.

Comply with health and safety legislation.

Store the product in containers made of material identical to the original.

7.2. Conditions for safe storage, including any incompatibilities.

Store in accordance with local regulations.

Follow the instructions on the label. Store containers between 5 and 35 ° C, in a dry and well-ventilated place, away from heat and direct sunlight.

Keep away from points of ignition.

Stay away from oxidizing agents and strongly acidic or alkaline materials.

No smoking.

Prevent unauthorized persons from entering.

Once the containers are open, they must be carefully closed and placed vertically to prevent spillage.

7.3. Specific end use (s).

The identified uses of lavender essential oil are listed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Specific information concerning ingredients of lavender essential oil for which Community occupational exposure limit values have been established:

DNEL: calculated no-effect level, inactive dose and PNEC: presumed no-effect concentration for relevant exposure routes (short-term / long-term exposure).

LINALYL ACETATE: Long term exposure - inhalation - systemic effects

DNEL: 2,75 mg/m³

LINALOOL: Long term exposure - inhalation - systemic effects

DNEL: 2,8 mg/m³

LIMONENE: Long term exposure - inhalation - systemic effects

DNEL: 33,3 mg/m³

8.2. Exposure control

- **Respiratory protection**

No special protective equipment is required. Only use suitable masks when aerosol formation. Get out into the fresh air.

- **Hand protection**

Use protective gloves.

- **Eye protection**

If necessary, use goggles with safety glasses.

- **Skin and body protection**

Wear work clothes and a hat, which must be changed after the shift and passed through a bathroom to maintain personal hygiene.

- **Basic protection and hygiene measures:**
  - Keep away from food, drink and animal feeding stuffs.
  - Wash hands before and after work.
  - Avoid contact with eyes.
  - Do not eat, drink or smoke in the workplace.
  - Change contaminated clothing immediately.
  - Store workwear separately.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid with a characteristic odor

Color: Colorless to light yellow

Odor: Characteristic lavender scent

Odor threshold: N.A./N.A.

pH: N.A./N.A.

Melting point: N.A./N.A.

Boiling point: 205 °C

Flash point: 76 °C

Evaporation rate: N.A./N.A.

Flammability (solid, gas): N.A./N.A.

Lower explosion limit: N.A./N.A.

Upper explosion limit: N.A./N.A.

Vapor pressure: N.A./N.A.

Vapor density: N.A./N.A.

Relative density: 0.885-0.897 g / cm3

Solubility: N.A./N.A.

Liporesolubility: N.A./N.A.

Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol / water): N.A./N.A.

Auto-ignition temperature: 235ºC

Decomposition temperature: N.A./N.A.

Viscosity: 2.79 cP (20 ° C)

Explosive properties: N.A./N.A.

Oxidizing properties: N.A./N.A.

N.A./N.A.= Not available / not applicable due to the nature of the product=

9.2. Other information

Kinematic viscosity: 3,07 cSt (20 °C)

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product does not pose a danger due to its reactivity.

10.2. Chemical stability

Stable under recommended operating and storage conditions (see Section 7).

10.3. Possibility of dangerous reactions

The product does not pose a risk of dangerous reactions.

10.4. Conditions to avoid
Avoid any wrong work.

10.5. Incompatible materials
Keep away from oxidizing agents and strongly alkaline or acidic materials to prevent exothermic reactions.

10.6. Hazardous decomposition products
No decomposition if used for its intended use.

SECTION 11: TOXICOLOGICAL INFORMATION.

PREPARATION FOR IRRITATION. Repeated or prolonged contact with skin or mucous membranes may cause irritating symptoms such as reddening of the skin, blisters or dermatitis. Some symptoms may not be immediate. They can cause allergic skin reactions.

11.1. Information on toxicological effects.

Repeated or prolonged contact with the product may result in the elimination of fat from the skin, leading to non-allergic contact dermatitis and absorption of the product through the skin.

Eye sprays can cause irritation and reversible damage.

a) acute toxicity - no acute toxicity test of the product has been performed, the literature data are as follows: LD50> 5 g / kg body weight, which means that there is practically no toxicity. Lavender essential oil is not classified in the category Acute toxicity according to Regulation (EO) № 1272/2008 and according to GHS.

б) corrosion / skin irritation - Classified Product: Skin irritant, Category 2: Causes skin irritation.

c) Serious eye damage / eye irritation - Classified product: Eye irritation, Category 2: Causes serious eye irritation.

d) Respiratory or skin sensitization - Classified product: Skin sensitizer, Category 1: May produce an allergic skin reaction.

e) germ cell mutagenicity - No convincing classification data.

f) carcinogenicity - No convincing classification data.

g) Reproductive toxicity - No convincing classification data.

h) STOT - single exposure - Based on available data, the classification criteria are not met.

i) repeated exposure to STOT - No convincing classification data.

j) risk of ingestion - Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicological tests have been performed on the product. Quantitative data on the environmental effects of this product are missing. The ecological assessment of the product is based on the data on its ingredients.

12.1. Toxicity - No information is available on the ecotoxicity of the substances available.

The product has a chronic hazard, Category 3 for aquatic organisms, may cause adverse effects in the aquatic environment. Do not allow to enter ground water, water course or sewage system.

The main values for the ecotoxicity of lavender essential oil are as follows: Acute toxicity EC50 (fish), 96h is 29,173 mg/l.

Acute toxicity EC50 (aquatic invertebrates), 48-h is 21,995 mg/l. Acute toxicity EC50 (algae),72 h is 13 mg/l

Acute toxicity EC50 (microorganisms), 3h = 1230 mg/l and 3h-NOEC = 488 mg/l.

12.2. Persistence and degradability - Biodegradable product.

12.3. Bioaccumulative potential - No bioaccumulation.

12.4. Soil mobility - No information on soil mobility.
The product should not be allowed in drains or waterways.
Prevent penetration into the ground.

12.5. PBT and vPvB assessment results - No information available on product PBT and vPvB assessment results.

12.6. Other adverse effects - No information on other adverse effects on the environment.

SECTION 13: SAMPLE OF WASTE

13.1. Waste treatment methods

Do not immerse in sewers or waterways. Waste and empty containers must be handled and disposed of in accordance with current, local / national legislation.

Follow the provisions of Directive 2008/98/EC on waste management.

SECTION 14: TRANSPORT INFORMATION

Transport is not dangerous. In the event of an accident spilling the product, proceed in accordance with point 6.

The product is transported in any type of closed means of transport, providing storage conditions. It is not classified as dangerous in terms of transport rules.

UN-number:
ADR, ADN, IMDG, IATA
No

Category of transportation:	
ADR, ADN, IMDG, IATA	***No***
Packing group:	
ADR, ADN, IMDG, IATA	***No***
Special precautions for user:	
ADR, ADN, IMDG, IATA	***Not applicable***
Transport in bulk according to Annex II of MARPOL 73/78 и на IBC: ***Not applicable***	
Additional transport information:	
It is not a dangerous load according to the described specifications	

SECTION 15: REGULATORY INFORMATION

15.1. Mixture-specific safety, health and environmental legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 — classification, labelling and packaging of substances and mixtures (CLP legislation)

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance on the procedure and manner of classification, packaging and labeling of chemical substances and mixtures

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Safety assessment of a chemical substance or mixture

A chemical safety assessment for this product is not required.

SECTION 16: OTHER INFORMATION

List of pictograms, signal words, hazard statements and safety recommendations:

HS08 **GHS07**





Signal word: Dangerous!

Health hazards:

H 304 May be fatal if swallowed and enters airways.

H 315 Causes skin irritation.

H 317 May cause an allergic skin reaction.

H 319 Causes serious eye irritation.

Environmental hazards:

H 412 Harmful to aquatic life with long-lasting effects.

H 411 Toxic to aquatic life with long-lasting effects.

Other EU hazard statements:

EUH 208 Contains <linalool and limonene>. May produce an allergic reaction

Prevention precautionary statements:

P 261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

P 272 Contaminated work clothing should not be allowed out of the workplace.

P 280 Wear protective gloves/protective clothing/eye protection/face protection.

Response precautionary statements:

P 301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/.

P 331 Do NOT induce vomiting.

P 302 + P352 IF ON SKIN: Wash with plenty of water.

P 333 + P313 If skin irritation or a rash occurs: Get medical advice/attention.

P 363 Wash contaminated clothing before reuse.

P 305+ P 351+P 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P 337 + P313 При продължително дразнене на очите: Потърсете медицински съвет/помощ.

Storage precautionary statements:

P 405 Store locked up.

Disposal precautionary statements:

P 501 Dispose of contents/container to … […in accordance with local/regional/national/international regulation (to be specified)]..

The data in the Safety Data Sheet correspond to the level of our knowledge and information as of the date of its preparation.

This information is intended only as a guide for the safe operation, use, handling, storage, transportation and disposal and should not be considered as a guarantee or quality specification. The information relates only to the substance in question and may not be valid for mixtures in which it is present unless otherwise stated. Every user of the product must be familiar with the information in the Safety Data Sheet. The user should be consulted in case he intends to use the product for new or unusual purposes.