

SAFETY DATA SHEET (SDS)

In accordance with DSTU GOST 30333, Regulation (EC) No 1907/2006 (REACH) and GHS standards

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier	Natural pure lavender essential oil (Lavandula angustifolia)
Other identifiers / INCI	INCI: Lavandula Angustifolia Herb Oil CAS: 90063-37-9 EC: 289-995-2
Brand	Podyh Lavandy
1.2 Recommended uses	Raw material for the cosmetics, aromatherapy, perfumery, wellness and pharmaceutical industries.
1.3 Supplier details	LLC «INVEST PIVDEN» 1 Dvorianska St., Malodvorianka village, Voznesenskyi District, Mykolaiv Region, 55523, Ukraine.
Manufacturer contacts	Email: finance@investpivden.com Tel: +380682560077 Website: investpivden.com
1.4 Emergency telephone	+380682560077 (Manufacturer) or the nearest national poison information centre

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture (Regulation (EC) No 1272/2008, CLP):
- Aspiration hazard - Category 1 (H304): May be fatal if swallowed and enters airways.
 - Skin irritation - Category 2 (H315): Causes skin irritation.
 - Skin sensitisation - Category 1B (H317): May cause an allergic skin reaction.
 - Serious eye damage - Category 1 (H318): Causes serious eye damage. [CORRECTED HAZARD CLASSIFICATION]
 - Hazardous to the aquatic environment, chronic - Category 2 (H411): Toxic to aquatic life with long lasting effects.
 - Combustible liquid - Category 4 (H227): Combustible liquid.

2.2 Label elements:

Signal word: DANGER

GHS08: Health hazard H304: May be fatal if swallowed and enters airways.	GHS05: Corrosion H318: Causes serious eye damage.
GHS07: Exclamation mark (irritant) H315: Causes skin irritation. H317: May cause an allergic skin reaction.	GHS09: Environment H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P261: Avoid breathing vapours or dust.
- P264: Wash hands and exposed skin thoroughly after handling.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/eye protection/face protection.

- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331: Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of soap and 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.
- P310: Immediately call a POISON CENTER/doctor.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P391: Collect spillage.
- P501: Dispose of contents/container through an authorised waste facility in accordance with local, national and international requirements.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: 100% pure and natural lavender essential oil obtained by steam distillation.
Detailed chemical profile of the sample by gas chromatography-mass spectrometry (GC-MS):

Component	CAS No.	EC No.	Area %	GHS/CLP classification (EC 1272/2008)
Linalool	78-70-6	201-134-4	25.45%	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B (H315-H317-H319)
Linalyl acetate	115-95-7	204-116-4	21.96%	Skin Irrit. 2, Skin Sens. 1B (H315-H317)
Terpinen-4-ol	562-74-3	209-235-5	5.80%	Acute Tox. 4 (Oral), Skin Irrit. 2, Skin Sens. 1, STOT SE 3 (H302-H315-H317-H336)
4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, acetate	25905-14-0	Not registered	5.80%	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B (H315-H317-H319)
(E)-beta-Farnesene	18794-84-8	242-582-0	5.00%	Asp. Tox. 1 (H304)
Caryophyllene	87-44-5	201-746-1	4.90%	Skin Sens. 1B, Asp. Tox. 1 (H304-H317)
trans-beta-Ocimene	3779-61-1	223-224-2	3.60%	Flam. Liq. 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 2 (H226-H304-H315-H400-H411)
beta-Ocimene	13877-91-3	237-641-2	2.20%	Flam. Liq. 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 2 (H226-H304-H315-H400-H411)
alpha-Terpineol	98-55-5	202-680-6	2.10%	Skin Irrit. 2, Eye Irrit. 2 (H315-H319)
Eucalyptol	470-82-6	207-431-5	1.80%	Flam. Liq. 3, Skin Sens. 1B (H226-H317)
4-Hexen-1-ol, 5-methyl-2-(1-methylethenyl)-, (R)-	498-16-8	Not registered	1.70%	Skin Irrit. 2, Eye Irrit. 2 (H315-H319)
3-Octanone	106-68-3	203-423-0	1.50%	Flam. Liq. 3 (H226)

4. FIRST-AID MEASURES

Inhalation	Move the affected person to fresh air immediately and keep at rest. If breathing difficulties occur, seek medical attention.
Skin contact	Remove contaminated clothing. Wash immediately with plenty of soap and water. If persistent irritation occurs, seek medical advice.
Eye contact	Rinse cautiously with plenty of water for 15 minutes while holding eyelids open. Remove contact lenses if present. Obtain immediate medical attention due to the risk of serious eye damage.
Ingestion	Rinse mouth with plenty of water. Do NOT induce vomiting (aspiration risk). Obtain emergency medical attention immediately and show this SDS.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media	Suitable: carbon dioxide (CO2), dry chemical powder, foam. Unsuitable: direct water jet.
5.2 Special hazards	Combustible liquid. Thermal decomposition or combustion may release toxic carbon oxides (CO, CO2) and irritating organic gases.
5.3 Advice for firefighters	Use self-contained breathing apparatus (SCBA) and full protective firefighting equipment.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Avoid breathing vapour. Avoid contact with skin and eyes. Wear chemical-resistant gloves and safety goggles. Ensure adequate ventilation. Eliminate all ignition and spark sources.
- 6.2 Environmental precautions: Prevent entry into drains, rivers, surface water, groundwater and soil. Collect spilled product immediately.
- 6.3 Methods for cleaning up: Contain the spill. Absorb immediately with non-combustible absorbent material (sand, earth, diatomaceous earth). Collect into labelled metal containers for safe disposal.

7. HANDLING AND STORAGE

- 7.1 Safe handling: Keep away from heat, sparks, open flames and hot surfaces. No smoking. Avoid skin and eye contact. Use eye and hand PPE. Work only in well-ventilated areas and observe occupational hygiene requirements.
- 7.2 Storage conditions: Store only in original, tightly closed dark-glass containers in a dry, cool, dark and well-ventilated place. Ground storage vessels. Use explosion-protected equipment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational exposure limits: No workplace exposure limits have been established.

Eye protection	Wear closed safety goggles compliant with DSTU EN 166 to prevent eye injury.
Hand/body protection	Use chemical-resistant protective gloves (nitrile, neoprene) and suitable protective work clothing.
Respiratory protection	Not normally required under adequate ventilation. Where significant vapour concentrations may occur, use a respirator with an organic-vapour filter.
Engineering controls	Provide effective general mechanical ventilation or local exhaust ventilation for vapours/dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and colour	Clear liquid, pale yellow to pale green.
Odour	Characteristic fresh, sweet floral lavender odour.
Relative density	0.880-0.890 g/cm³ at 20°C (certified value).
Flash point	74 °C
Boiling point	172 °C
Auto-ignition temperature	250 °C
pH / viscosity	Not determined.
Solubility	Practically insoluble in water; fully soluble in ethanol (96%), fixed oils and other essential oils.

10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable; no hazardous reactivity expected under proper conditions of use.
10.2 Chemical stability	Stable under recommended storage temperatures.
10.3 Hazardous reactions	No hazardous chemical reactions expected under normal conditions of use.
10.4 Conditions to avoid	Excessive heat, sparks, open flames, hot surfaces and direct sunlight.
10.5 Incompatible materials	Strong acids, alkalis and strong oxidising agents.
10.6 Decomposition products	None under proper storage. Toxic gases may form during combustion.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Based on available experimental data, the classification criteria are not met.
Acute oral toxicity LD50 (rat): > 5000 mg/kg | Acute dermal toxicity LD50 (rabbit): > 5000 mg/kg

Toxicological data for principal constituents:

Chemical compound	CAS No.	LD50 / ATE Oral	LD50 / ATE Dermal	LC50 inhalation (dust/mist)
Terpinen-4-ol	562-74-3	1300 mg/kg bw	2500 mg/kg bw	1.5 mg/L
Linalool	78-70-6	2790 mg/kg bw	Not determined	Not determined
p-Cymene	99-87-6	4750 mg/kg bw	Not determined	9.7 mg/L (vapour)

- Specific effects on human health:
- Skin corrosion/irritation: Causes skin irritation (Skin Irrit. 2).
 - Serious eye damage/irritation: Causes serious eye damage (Eye Dam. 1).
 - Sensitisation: Skin Sens. 1B. May cause an allergic skin reaction.
 - Aspiration hazard: Asp. Tox. 1. May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Toxic to aquatic life with long lasting effects (Aquatic Chronic 2, H411). Do not discharge into surface waters.
12.2 Biodegradability	Biodegradable substance composed exclusively of naturally occurring terpene constituents.
12.3 Bioaccumulation	Low bioaccumulation potential due to rapid environmental degradation.
12.4 Mobility in soil	Low mobility due to strong sorption to soil organic matter.
12.5 PBT/vPvB assessment	The substance does not contain constituents classified as PBT or vPvB according to REACH Annex XIII.

13. DISPOSAL CONSIDERATIONS

Waste recovery or safe disposal shall be carried out in accordance with applicable Ukrainian environmental legislation. Do not discharge residues into municipal or industrial sewer systems. Packaging and containers shall be delivered to authorised recycling facilities.

14. TRANSPORT INFORMATION

- 14.1 UN number: UN 3082
 - 14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Natural pure lavender essential oil)
 - 14.3 Transport hazard class: Class 9 (Miscellaneous dangerous substances and articles)
 - 14.4 Packing group: III
 - 14.5 Environmental hazards: Marine/aquatic pollutant.
- 14.6 Special provisions for small quantities/packages (IMPORTANT): Under Special Provision 375 of ADR/RID and section 2.10.2.7 of the IMDG Code, this substance is not subject to the dangerous-goods transport provisions when carried in single or combination packagings containing a net quantity of not more than 5 L (or 5 kg) per inner or single packaging.

15. REGULATORY INFORMATION

15.1 Ukrainian national certification and standards compliance:

- Certificate of Conformity No. UA.PN.191.0022-26, issued by LLC CB «EUROSTANDARD», valid from 07.01.2026 to 06.01.2027.
- Ukrainian Technical Specifications (TU): compliance with TU U 20.5-43365077-001:2024 «Lavender oils. Technical specifications».
- Basis for issue: Test Report of LLC «ACADEMTEST» Testing Laboratory No. 2026.191.01.07.07 dated 07.01.2026.

15.2 International regulations: REACH Regulation (EC) No 1907/2006, CLP Regulation (EC) No 1272/2008, GHS / ISO 11014. RIFM ID: 169-F2.12.

16. OTHER INFORMATION

Document version: v5.0 (fully revised, reformatted and expanded in accordance with GHS and REACH standards. Serious eye damage Category 1 and the signal word DANGER have been applied).

Environmental origin of the product: Lavender is grown exclusively on environmentally clean fields adjacent to the Yelanets Steppe Nature Reserve (Mykolaiv Region, Ukraine). Distillation is performed by steam using modern gas-fired heating equipment. 100% natural farm product, therapeutic grade, without solvents, preservatives or chemical additives.

Disclaimer: The information in this Safety Data Sheet is considered complete and accurate at the date of preparation. Recommendations and precautions are provided without express warranties. As the conditions of use are beyond the manufacturer's control, the manufacturer accepts no liability for consequences arising from misuse of this information.