ALTRAFLORA NATURAL EXTRACTS

SAFETY DATA SHEET

Revision Date: 18.10.2026 | Version: 1.4

1. Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

Product Name:	Yellow Pine Essential Oil (>80 % α-pinene)
Item Code:	AF-PNSL1EO
CAS No.:	Not applicable (mixture)
EC No.:	Not applicable (mixture)
INCI Name:	Pinus Sylvestris Leaf Oil

1.2 Relevant Identified Uses

Identified Uses: Fragrance and flavouring ingredient for food, beverage, confectionery, cosmetic, household and candle applications. For industrial and professional formulation use only.

Uses Advised Against: Not for undiluted application to skin or mucous membranes. Not for injection, for nebuliser inhalation, or for administration to infants and young children. Keep out of reach of children.

1.3 Supplier Details

Company:	ALTRAFLORA DOĞAL BİTKİ ÜRÜNLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
Address:	Zafer Mah. 1033/2 Sk. No: 16/A, Merkezefendi / Denizli, 20020, Türkiye
Phone:	+90 538 051 7405
Email:	info@altraflora.com

1.4 Emergency Contact: +90 538 051 7405 (24h)

2. Hazards Identification

2.1 Classification

Classification according to Regulation (EC) No 1272/2008 (CLP):

- Flam. Liq. 3 — H226: Flammable liquid and vapour.
- Asp. Tox. 1 — H304: May be fatal if swallowed and enters airways.
- Skin Irrit. 2 — H315: Causes skin irritation.
- Skin Sens. 1 — H317: May cause an allergic skin reaction.
- Aquatic Acute 1 — H400: Very toxic to aquatic life.
- Aquatic Chronic 1 — H410: Very toxic to aquatic life with long lasting effects.

2.2 Label Elements

Signal Word: Danger. Hazard pictograms: GHS02 (Flame), GHS07 (Exclamation mark), GHS08 (Health hazard), GHS09 (Environment). 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Precautionary statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/national regulations. Contains: α-pinene, β-pinene, limonene.

2.3 Other Hazards

PBT/vPvB Assessment: Does not meet criteria for PBT or vPvB under REACH.

3. Composition/Information on Ingredients

3.1 Substance/Mixture

Botanical Name: Pinus sylvestris L.

Plant Part: Needles and wood

Extraction Method: Steam distillation; undiluted

Origin: Türkiye

Key Active Compounds:

Compound	Content
α-Pinene (CAS 80-56-8, EC 201-291-9; Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410)	≥ 80 %
β-Pinene (CAS 127-91-3, EC 204-872-5; Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317)	3.0–8.0 %
Limonene (CAS 138-86-3, EC 205-341-0; Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410)	1.0–4.0 %
Camphene (CAS 79-92-5, EC 201-234-8; Flam. Sol. 2 H228, Asp. Tox. 1 H304, Eye Irrit. 2 H319, Aquatic Acute 1 H400, Aquatic Chronic 1 H410)	0.5–3.0 %

4. First Aid Measures

General Advice If medical advice is needed, have the product container or label at hand. Move the person out of the exposure area and take off contaminated clothing.

Inhalation Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact Take off contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water. If skin irritation or rash occurs, get medical advice.

Eye Contact Rinse with water for several minutes. Seek medical attention if irritation persists.

Ingestion Do NOT induce vomiting: vomit may enter the airways (aspiration hazard). Immediately call a POISON CENTER or doctor. If the person is conscious, rinse mouth with water. Never give anything by mouth to an unconscious person.

Most Important Symptoms Aspiration into the lungs may cause chemical pneumonitis; skin redness and irritation; allergic skin reaction (itching, rash).

Notes to Physician Treat symptomatically. If aspiration is suspected, monitor for respiratory symptoms; do not induce vomiting.

5. Firefighting Measures

Suitable Extinguishing Media	Foam, carbon dioxide (CO_2), dry chemical powder, water spray.
Unsuitable Extinguishing Media	Water jet (may spread fire).
Special Hazards	Flammable liquid and vapour; vapours may form explosive mixtures with air. Flash point: 35 °C (closed cup, typical value). Combustion produces carbon oxides. Cool containers exposed to fire with water spray.

6. Accidental Release Measures

Personal Precautions	Remove all sources of ignition and ensure adequate ventilation. Avoid contact with skin and eyes. Use protective equipment. Caution: spilled product may create slippery surfaces.
Environmental Precautions	Prevent entry into drains, waterways, and soil. Expected to be biodegradable.
Containment and Cleanup	Absorb with inert absorbent material, sand, or earth. Dispose according to local regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling. Keep away from heat, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Avoid spills. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment; prevent entry into drains, waterways and soil.

7.2 Conditions for Safe Storage

Storage Temperature	Store at 5–15 °C in a tightly closed container in a well-ventilated place, locked up. Protect from heat and sunlight.
Packaging Materials	Dark glass, stainless steel, food-grade HDPE.
Shelf Life	24 months when stored properly

8. Exposure Controls/Personal Protection

8.1 Control Parameters: No occupational exposure limits established.

Engineering Controls	Ensure adequate ventilation. Keep away from ignition sources; use explosion-proof electrical and ventilating equipment where vapours may accumulate.
Eye/Face Protection	Wear safety glasses with side shields (EN 166).
Hand Protection	Wear protective gloves (e.g. nitrile rubber, EN ISO 374-1).
Environmental Exposure Controls	Avoid release to the environment. Do not discharge the product, rinse water or cleaning water into drains, surface water or soil; collect spills and wastes for disposal (see Sections 6 and 13). Comply with the applicable environmental protection legislation.

9. Physical and Chemical Properties

Appearance	Clear, colourless to pale-yellow mobile liquid
Odor	Fresh, resinous, terpenic pine
pH	Not applicable
Flash Point	35 °C (closed cup, typical value)
Density	0.85–0.95 g/cm³ at 20 °C (typical)
Solubility (Water)	Insoluble in water; miscible with fixed oils, soluble in ethanol
Viscosity	Low-viscosity mobile liquid
Solvent Residues	None. No solvent is used in manufacture.

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions. May oxidize upon exposure to air and light.
Conditions to Avoid	High temperatures, prolonged exposure to air and light, ignition sources.
Incompatible Materials	Strong oxidizers, concentrated acids, strong bases.

11. Toxicological Information

Acute Oral Toxicity	Not classified for acute oral toxicity. Aspiration hazard (Asp. Tox. 1, H304): may be fatal if swallowed and enters airways.
Skin Irritation	Causes skin irritation (Skin Irrit. 2, H315).
Eye Irritation	Not classified for serious eye damage/eye irritation.
Sensitization	May cause an allergic skin reaction (Skin Sens. 1, H317).
Carcinogenicity	Not classified for carcinogenicity. Contains β-myrcene (IARC Group 2B).

12. Ecological Information

Toxicity	Very toxic to aquatic life (H400). Very toxic to aquatic life with long lasting effects (H410).
Biodegradability	Expected to be readily biodegradable.
Bioaccumulation	No significant bioaccumulation expected.

13. Disposal Considerations

Product Disposal	Dispose according to local regulations. Do not pour into drains.
Waste Code (EU)	EWC 16 03 05* — organic wastes containing hazardous substances

14. Transport Information

Classified as dangerous goods for transport (ADR/RID/IMDG/IATA).

UN Number	UN 1272
Proper Shipping Name	Pine oil
Transport Hazard Class	3
Packing Group	III
Environmental Hazards	Environmentally hazardous: Yes (ADR/RID/IATA); Marine pollutant: Yes (IMDG)

15. Regulatory Information

EU Legislation: REACH – Compliant | CLP – Classified; see Section 2 | Cosmetics Regulation (EC) No 1223/2009 – Compliant where applicable

Directive 2012/18/EU (Seveso III), Annex I, Part 1: P5c Flammable liquids: Categories 2 or 3 not covered by P5a and P5b (qualifying quantities: lower tier 5 000 t, upper tier 50 000 t); E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1 (qualifying quantities: lower tier 100 t, upper tier 200 t).

US Legislation: FDA – Compliant for intended use | TSCA – Listed where applicable

Contains fragrance allergens listed in Annex III to Regulation (EC) No 1223/2009. Declare on cosmetic labels above 0.001 % in leave-on and 0.01 % in rinse-off products. Pinene-rich oils autoxidise on storage and the oxidation products are the skin sensitisers. Store cold, full and under inert gas, and keep away from ignition sources.

16. Other Information

Product Specifications

Botanical Source	Pinus sylvestris L.
Plant Part Used	Needles and wood
Extraction Method	Steam distillation; undiluted
Country of Origin	Türkiye
Shelf Life	24 months
Storage	Store at 5–15 °C, protect from light

Revision Information: Revision Date: 18.10.2026 | Version: 1.4 | Changes from the previous version: Sections 2, 3, 4, 7, 8, 11, 12 and 15.

Literature References: IFRA Standards, 51st Amendment; ECHA C&L Inventory.

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of publication. It is intended as guidance for safe handling, use, storage, transport, and disposal and should not be considered a warranty or quality specification.

End of Safety Data Sheet