ALTRAFLORA NATURAL EXTRACTS

SAFETY DATA SHEET

Revision Date: 18.10.2026 | Version: 1.1

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

1.1 Product Identifier

Product Name:	Turkish Oak (Medium Roasted) Supercritical CO_2 Extract
Item Code:	AF-QRCR1TSF
CAS No.:	Not assigned
EC No.:	Not assigned
INCI Name:	Quercus Cerris Wood Extract

1.2 Relevant Identified Uses

Identified Uses: Flavouring ingredient for wines, spirits, beverages and food applications. Source of phenolic aldehydes (coniferaldehyde, sinapaldehyde, syringaldehyde, vanillin) and toasted-wood aroma compounds.

Uses Advised Against: Not for direct consumption. For industrial/professional use only.

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

GHS Classification: Not classified as hazardous. This product does not meet criteria for GHS/CLP classification.

2.2 Label Elements

Signal Word: Not required | Hazard Pictograms: Not required | Hazard Statements: Not required

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:	Quercus cerris L.
Plant Part:	Heartwood (medium-toast cooperage staves)
Extraction Method:	Supercritical CO_2 extraction (SFE) of medium-toast heartwood staves
Origin:	Türkiye

Key Active Compounds:

Compound	Content
trans-Coniferaldehyde	Present
5-Hydroxymethylfurfural	Present
Sinapaldehyde	Present
Syringaldehyde	Present
Vanillin	Present

4. First Aid Measures

General Advice	No special first aid measures usually required. Seek medical attention if symptoms persist.
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Seek medical attention if irritation develops.
Eye Contact	Rinse with water for several minutes. Seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Non-toxic in normal quantities. Seek medical attention if symptoms occur.

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	Flash point: >100 °C (closed cup). Combustion produces carbon oxides.

6. Accidental Release Measures

Personal Precautions	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 prolonged skin contact. Wash hands after handling. Keep away from heat and ignition sources. Avoid spills.

7.2 Conditions for Safe Storage

Storage Temperature	Store at 15–25 °C. 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. No special measures required for normal handling.
Eye/Face Protection	Safety glasses recommended in production settings.
Hand Protection	Chemical-resistant gloves for prolonged contact.

9. Physical and Chemical Properties

Appearance	Dark amber, viscous oleoresinous extract
Odor	Characteristic toasted oak, whisky-like, vanillic, smoky-sweet
pH	Not applicable
Flash Point	>100 °C (closed cup)
Density	0.95–1.05 g/cm³
Solubility (Water)	Insoluble; soluble in ethanol and food-grade oils
Viscosity	Highly viscous liquid/semi-solid
Solvent Residues	None (CO_2 extraction)

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.
Skin Irritation	Not classified for skin irritation under normal use.
Eye Irritation	May cause mild temporary irritation upon direct contact.
Sensitization	Not classified. Generally non-sensitizing.
Carcinogenicity	Not classified for carcinogenicity.

12. Ecological Information

Toxicity	Not classified as hazardous to the aquatic environment.
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 06 — organic wastes other than those mentioned in 16 03 05

14. Transport Information

Not classified as dangerous goods for transport (ADR/RID/IMDG/IATA).

UN Number	Not regulated
Transport Hazard Class	Not regulated
Environmental Hazards	Environmentally hazardous: No (ADR/RID/IATA); Marine pollutant: No (IMDG)

15. Regulatory Information

EU Legislation: REACH – Compliant | CLP – Not classified | Cosmetics Regulation (EC) No 1223/2009 – Compliant where applicable

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

16. Other Information

Product Specifications

Botanical Source	Quercus cerris L.
Plant Part Used	Heartwood (medium-toast cooperage staves)
Extraction Method	Supercritical CO_2 extraction (SFE) of medium-toast heartwood staves
Country of Origin	Türkiye
Shelf Life	24 months
Storage	Store at 15–25 °C, protect from light

Revision Information: Revision Date: 18.10.2026 | Version: 1.1 | Changes from the previous version: Sections 1, 2, 3, 5, 6, 7, 9, 11, 12, 13, 14, 15 and 16.

Literature References: Chatonnet et al. (1997) Am J Enol Vitic — Influence of toasting on oak wood composition; Cadahía et al. (2003) J Agric Food Chem — Volatile compounds in toasted oak.

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