

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

1.1 Product Identifier

Product Name:	Turkish Oak (Medium Roast) Food Fragrance, oil-soluble
Item Code:	AF-QRCR1FRG
CAS No.:	Not applicable (mixture)
EC No.:	Not applicable (mixture)
INCI Name:	Quercus Cerris Wood Extract, Triethyl Citrate

1.2 Relevant Identified Uses

Identified Uses: Flavouring ingredient for spirits, liqueurs, wines, confectionery, chocolate and fat-based food applications. For professional formulation use.

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

1.3 Supplier Details

Company:	AltraFlora Natural Botanicals Inc.
Address:	Zafer Mah., 1033 sokak, No: 16/A, Merkezefendi / Denizli, TURKEY
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 / staves (roasted)
Extraction Method:	Supercritical CO ₂ extraction of roasted heartwood, dissolved in triethyl citrate (TEC)
Origin:	Türkiye

Key Active Compounds:

Compound	Content
Sinapaldehyde	Present
trans-Coniferaldehyde	Present
Syringaldehyde	Present
Vanillin	Present
5-Hydroxymethylfurfural	Present
Furfural	Present
Ellagic acid	Present
Gallic acid	Present
Triethyl citrate (TEC, E1505) — carrier	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

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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	Clear amber to dark amber liquid
Odor	Toasted, vanillic, woody
pH	Not applicable
Flash Point	>100 °C (closed cup)
Relative Density	Approx. 1.1 g/cm ³ at 20 °C (typical)
Solubility (Water)	Insoluble in water; soluble in ethanol (≥40 % v/v) and edible oils
Viscosity	Mobile liquid
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. Generally non-toxic when ingested in normal quantities.
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.

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Carcinogenicity

Not classified. Not listed by IARC, NTP, or OSHA.

12. Ecological Information**Toxicity**

Not classified as hazardous to 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: 20 01 25 – Edible oils and fats (non-hazardous)

14. Transport Information

This product is not classified as dangerous goods for transport.

UN Number

Not regulated

Transport Hazard Class

Not regulated

Environmental Hazards

Marine pollutant: No

15. Regulatory Information

EU Legislation: REACH – Compliant | CLP – Not classified as hazardous (unless stated in §2) | 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 / staves (roasted)
Extraction Method	Supercritical CO ₂ extraction of roasted heartwood, dissolved in triethyl citrate (TEC)
Country of Origin	Türkiye
Shelf Life	24 months
Storage	Store at 15–25 °C, protect from light

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Literature References: Batch TDS AF-QRCR1FRG (20261016-QRCR1FRG); AltraFlora Application Notes, Roasted Oak scCO₂ Extracts (10.05.2026 and 25.07.2026); 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