

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

1.1 Product Identifier

Product Name:	Turkish Oak (Medium Roast) Extract, water-dispersible
Item Code:	AF-QRCR1EML
CAS No.:	Not applicable (mixture)
EC No.:	Not applicable (mixture)
INCI Name:	Quercus Cerris Wood Extract, Lecithin, Aqua

1.2 Relevant Identified Uses

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

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 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

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

- Eye Irrit. 2 — H319: Causes serious eye irritation.

2.2 Label Elements

Signal Word: Warning. See hazard statements in Section 2.1.

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, emulsified in a lecithin/water base
Origin:	Türkiye

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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
Lecithin (E322(i)) and water — emulsion base	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: Not applicable — aqueous emulsion, does not sustain combustion. 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 2–8 °C. Protect from heat and sunlight.
Packaging Materials	Dark glass, stainless steel, food-grade HDPE.
Shelf Life	12 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 oil-in-water emulsion
Odor	Toasted, vanillic, woody
pH	Not applicable
Flash Point	Not applicable — aqueous emulsion, does not sustain combustion
Relative Density	0.98–1.05 g/cm ³ at 20 °C (typical)
Solubility (Water)	Dispersible in water (oil-in-water emulsion); miscible with ethanol
Viscosity	Pourable emulsion; shake before use
Solvent Residues	Ethanol used as an 8 % v/v co-solvent in extraction. Residual solvent is reported on the lot certificate of analysis.

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.

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Sensitization	Not classified. Generally non-sensitizing.
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 16 03 05* — organic wastes containing dangerous substances

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 – Classified; see Section 2 | Cosmetics Regulation (EC) No 1223/2009 – Compliant where applicable

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. Contains furfural. In the undiluted extract furfural runs 0.24–2.56 % depending on roast level, and furfural carries a Carc. 2 (H351) classification with a 1 % generic concentration limit. This emulsion is approximately a tenfold dilution of that extract (TPC 19.0 mg GAE g⁻¹ against 200.7 mg GAE g⁻¹ neat), which places furfural at roughly 0.02–0.26 % — below the classification threshold. Confirm against the lot certificate for heavily roasted batches.

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, emulsified in a lecithin/water base

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Country of Origin	Türkiye
Shelf Life	12 months
Storage	Store at 2–8 °C, protect from light

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Literature References: 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