

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: Flavoring ingredient for wines, spirits, beverages, and food applications. Source of vanillin, oak lactones, and toasted-wood aroma compounds.

Uses Advised Against: Not for direct consumption. 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:	Medium-roasted heartwood chips
Extraction Method:	Supercritical CO ₂ extraction (SFE) from toasted oak chips
Origin:	Turkey

Key Active Compounds:

Compound	Content
Vanillin	Major aroma compound
cis/trans Oak Lactones (whiskey lactones)	Major
Furfural & 5-methylfurfural	Present
Eugenol & guaiacol derivatives	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	Strong toasted-wood, vanilla, coconut notes
pH	Not applicable
Flash Point	>100°C (closed cup)
Relative Density	0.95–1.05 g/cm ³
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. 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.
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.

Revision Date: 12.05.2026 | Version: 1.0

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	Medium-roasted heartwood chips
Extraction Method	Supercritical CO ₂ extraction (SFE) from toasted oak chips
Country of Origin	Turkey
Shelf Life	24 months
Storage	Store at 15–25°C, protect from light

Revision Information: Revision Date: 12.05.2026 | Version: 1.0

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