ALTRAFLORA NATURAL EXTRACTS

SAFETY DATA SHEET

Revision Date: 18.10.2026 | Version: 1.3

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

1.1 Product Identifier

Product Name:	Licorice Root CO_2 Extract
Item Code:	AF-GLGL1TSF
CAS No.:	84775-66-6
EC No.:	283-895-2
INCI Name:	Glycyrrhiza Glabra Root Extract

1.2 Relevant Identified Uses

Identified Uses: Ingredient for cosmetic and oral-care formulations (source of glabridin), flavouring ingredient for food and confectionery, and raw material for food supplements. For industrial and professional formulation use only.

Uses Advised Against: Not for direct consumption. Not for undiluted application to skin or mucous membranes.

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 the UN GHS; this category has no equivalent in Regulation (EC) No 1272/2008 (CLP):

• Eye Irrit. 2B (UN GHS) — H320: Causes eye irritation.

2.2 Label Elements

No label elements required under Regulation (EC) No 1272/2008 (CLP). UN GHS label elements: Signal Word: Warning. Hazard pictogram: none. Hazard statements: H320 Causes eye irritation. Precautionary statements: P264 Wash hands thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

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:	Glycyrrhiza glabra L.
Plant Part:	Roots and rhizomes (dried)
Extraction Method:	Supercritical CO_2 extraction of dried roots and rhizomes; pure extract, no carrier
Origin:	Türkiye

Key Active Compounds:

Compound	Content
Glabridin (CAS 59870-68-7)	>2.0 %
Other licorice flavonoids (hispaglabridin A and B, 4'-O-methylglabridin)	Present
Glycyrrhizic acid (CAS 1405-86-3)	<0.2 %

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	Wash with soap and water. Seek medical attention if irritation develops.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical help.
Ingestion	Rinse mouth with water. Do not give anything by mouth to an unconscious person. If the person feels unwell, get medical advice.
Most Important Symptoms	Eye redness, watering and irritation.
Notes to Physician	Treat symptomatically.

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. 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 contact with skin and eyes. Wash hands thoroughly 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.
Eye/Face Protection	Wear safety glasses with side shields (EN 166).
Hand Protection	Chemical-resistant gloves for prolonged contact.

9. Physical and Chemical Properties

Appearance	Dark amber viscous oil
Odor	Characteristic odor of licorice root
pH	Not applicable
Flash Point	>100 °C
Relative Density	Not determined
Solubility (Water)	Immiscible with water
Viscosity	Viscous oily 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 for acute oral toxicity.
Skin Irritation	Not classified for skin irritation under normal use.
Eye Irritation	Causes eye irritation (UN GHS Eye Irrit. 2B, H320) upon direct contact.
Sensitization	Not classified as a skin or respiratory sensitiser.
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 – No CLP classification assigned; UN GHS classification, see Section 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	Glycyrrhiza glabra L.
Plant Part Used	Roots and rhizomes (dried)
Extraction Method	Supercritical CO_2 extraction of dried roots and rhizomes; pure extract, no carrier
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: 1.3 | Changes from the previous version: Sections 3, 5, 9 and 16.

Literature References: Batch TDS AF-GLGL1TSF (20260106-GLGL1TSF); 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