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:	Mixed Tocopherols Concentrate 70 %
Item Code:	AF-TOCO1CCE
CAS No.:	Not applicable (mixture)
EC No.:	Not applicable (mixture)
INCI Name:	Tocopherol, Helianthus Annuus Seed Oil

1.2 Relevant Identified Uses

Identified Uses: Antioxidant and source of vitamin E activity for edible oils and fats, emulsions, bakery and confectionery fillings, meat and dairy analogues, pet food, food supplements and cosmetic formulations. For industrial and professional formulation use only.

Uses Advised Against: Not for direct consumption. Not for parenteral use or inhalation. Use only as an ingredient within the limits set by the applicable food, feed or cosmetics legislation.

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:	Glycine max (L.) Merr.
Plant Part:	Seeds (deodoriser distillate of refined soybean oil)
Extraction Method:	Tocopherols concentrated from the deodoriser distillate of refined soybean oil; standardised with refined sunflower oil (carrier)
Origin:	Declared per lot

Key Active Compounds:

Compound	Content
d-α-Tocopherol (CAS 59-02-9)	5.0–15.0 %
d-β-Tocopherol (CAS 16698-35-4)	0.5–4.0 %
d-γ-Tocopherol (CAS 54-28-4)	35.0–50.0 %
d-δ-Tocopherol (CAS 119-13-1)	15.0–28.0 %
Total tocopherols (CAS 1406-66-2)	≥ 70.0 %
Refined sunflower oil (CAS 8001-21-6) — 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. 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. Minimise exposure to air; avoid contact with copper and iron. Avoid spills.

7.2 Conditions for Safe Storage

Storage Temperature	Store at 5–25 °C. Protect from heat and sunlight.
Packaging Materials	Tightly closed original containers: nitrogen-flushed HDPE or lacquered steel. Blanket with nitrogen and reseal immediately after each withdrawal.
Shelf Life	24 months in unopened original packaging 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	Reddish-brown to light-yellow, clear oily liquid; a slight crystalline suspension may be present
Odor	Characteristic, mild, oily
pH	Not applicable
Flash Point	>100 °C
Density	0.93–0.96 g/cm³ at 20 °C (typical)
Solubility (Water)	Insoluble in water; miscible with vegetable oils, fats and lipophilic solvents; soluble in ethanol
Viscosity	Viscous oily liquid
Solvent Residues	Within FCC limits

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 (oxygen) and intense light, ignition sources.
Incompatible Materials	Strong oxidizers, concentrated acids, strong bases; copper and iron (promote oxidation).

11. Toxicological Information

Acute Oral Toxicity	Not classified for acute oral toxicity.
Skin Irritation	Not classified for skin irritation under normal use.
Eye Irritation	Not classified for eye irritation. Direct contact may cause mild, temporary irritation.
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 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 – tocopherols are GRAS as chemical preservatives (21 CFR 182.3890) | TSCA – Listed where applicable

Food use: tocopherol-rich extract (E 306) is a food additive under Regulation (EC) No 1333/2008; the conditions of use in Annex II and the specifications in Regulation (EU) No 231/2012 apply. Allergen information: the tocopherols are obtained from soya (Glycine max); observe the allergen labelling requirements of the applicable food legislation.

16. Other Information

Product Specifications

Botanical Source	Glycine max (L.) Merr.
Plant Part Used	Seeds (deodoriser distillate of refined soybean oil)
Extraction Method	Tocopherols concentrated from the deodoriser distillate of refined soybean oil; standardised with refined sunflower oil (carrier)
Country of Origin	Declared per lot
Shelf Life	24 months in unopened original packaging
Storage	Store at 5–25 °C, protect from light

Revision Information: Revision Date: 18.10.2026 | Version: 1.3 | Changes from the previous version: Sections 5 and 9.

Literature References: Batch TDS AF-TOCO1CCE (20260911-TOCO1CCE); FCC monograph, Tocopherols Concentrate, Mixed; Regulation (EC) No 1333/2008, Annex II; Regulation (EU) No 231/2012; 21 CFR 182.3890; 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