

SAFETY DATA SHEET

Revision Date: 11.09.2026 | Version: 1.0

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.:	1406-66-2 (tocopherols, mixed)
EC No.:	Not allocated (see Section 15)
INCI Name:	Tocopherol; Helianthus Annuus Seed Oil

1.2 Relevant Identified Uses

Identified Uses: Natural antioxidant and vitamin E source for edible oils and fats, emulsions, bakery and confectionery fillings, meat and dairy analogues, pet food, nutritional supplements and cosmetic formulations.

Uses Advised Against: Not for undiluted consumer use. Not intended for parenteral or inhalation applications.

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 the criteria for classification under GHS/CLP Regulation.

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

Botanical Name:	Glycine max (L.) Merr.; Helianthus annuus L.
Plant Part:	Deodoriser distillate of refined seed oil; refined sunflower oil as carrier
Extraction Method:	Vacuum steam distillation and molecular distillation of vegetable oil deodoriser distillate
Origin:	Turkey

Active Compounds:

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Compound	CAS	Content
d-α-Tocopherol	59-02-9	5.0-15.0%
d-β-Tocopherol	16698-35-4	0.5-4.0%
d-γ-Tocopherol	54-28-4	35.0-50.0%
d-δ-Tocopherol	119-13-1	15.0-28.0%
Total tocopherols	1406-66-2	≥70.0%
Refined sunflower oil (carrier)	8001-21-6	≤30.0%

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	Combustible liquid. Flash point: >200°C (closed cup). Combustion produces carbon oxides.

6. Accidental Release Measures

Personal Precautions	Avoid contact with skin and eyes. Use protective equipment. Caution: spilled oil creates slippery surfaces.
Environmental Precautions	Prevent entry into drains, waterways, and soil. Expected to be biodegradable.
Containment and Cleanup	Absorb with oil-absorbing 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 5-25°C. Protect from heat and sunlight.

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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	Reddish-brown to light yellow clear oily liquid; a slight crystalline suspension is permitted
Odor	Characteristic, mild and oily
pH	Not applicable (oily substance)
Flash Point	>200°C (closed cup)
Relative Density	0.93-0.96 g/cm³ (20°C)
Solubility (Water)	Insoluble; soluble in ethanol, miscible with vegetable oils and fats
Viscosity	Viscous liquid
Solvent Residues	Ethanol ≤5000 ppm (FCC limit); typically <100 ppm

10. Stability and Reactivity

Chemical Stability	May oxidize upon exposure to air and light. Requires proper storage.
Conditions to Avoid	High temperatures, prolonged exposure to air and light.
Incompatible Materials	Strong oxidizers, concentrated acids, strong bases.

11. Toxicological Information

Acute Oral Toxicity	Not classified. Non-toxic when ingested.
Skin Irritation	Not classified. Non-irritating; suitable for sensitive skin.
Eye Irritation	Not classified. May cause mild temporary irritation.
Sensitization	Not classified. Generally non-sensitizing.
Carcinogenicity	Not classified. Not listed by IARC, NTP, or OSHA.

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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)	EWG: 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: Food additive E306 (tocopherol-rich extract), Regulation (EC) No 1333/2008 and purity criteria Regulation (EU) No 231/2012 | REACH – Exempt (Annex V) | CLP – Not classified as hazardous | Cosmetics Regulation (EC) No 1223/2009 – Compliant
US Legislation: FDA 21 CFR 182.3890 (tocopherols, GRAS antioxidant) | FCC compliant | TSCA – Listed

16. Other Information

Product Specifications

Botanical Source	Glycine max (L.) Merr.; Helianthus annuus L.
Plant Part Used	Deodoriser distillate of refined seed oil; refined sunflower oil as carrier
Extraction Method	Vacuum steam distillation and molecular distillation of vegetable oil deodoriser distillate
Country of Origin	Turkey
Shelf Life	24 months
Storage	Store at 5-25°C, protect from light

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Literature References: FCC monograph, Tocopherols Concentrate, Mixed; JECFA Monograph (30th/61st sessions), Tocopherol Concentrate, Mixed (INS 307b); EFSA Panel on Food Additives (2008), tocopherol-rich extract E306.

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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