ALTRAFLORA NATURAL EXTRACTS

# SAFETY DATA SHEET

Revision Date: 18.10.2026 | Version: 1.4

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

### 1.1 Product Identifier

| | |
|---|---|
| **Product Name:** | Chili Pepper Extract, water-dispersible (0.3 % capsaicinoids) |
| **Item Code:** | AF-CPCH1EML |
| **CAS No.:** | Not applicable (mixture) |
| **EC No.:** | Not applicable (mixture) |
| **INCI Name:** | Capsicum Chinense Fruit Extract, Lecithin, Aqua |

### 1.2 Relevant Identified Uses

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

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 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

Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label Elements

Not classified as hazardous under Regulation (EC) No 1272/2008 (CLP); no label elements 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:** | Capsicum chinense Jacq. |
| **Plant Part:** | Fruits (dried) |
| **Extraction Method:** | Supercritical $CO_2$ extraction of dried fruits, emulsified in a lecithin/water base |
| **Origin:** | Türkiye |

**Key Active Compounds:**

| Compound | Content |
|---|---|
| Capsaicin | > 0.2 % |
| Dihydrocapsaicin | 0.05–0.1 % |
| Nordihydrocapsaicin | < 0.02 % |
| 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. Do not give anything by mouth to an unconscious person. If the person feels unwell, get medical advice. |

## 5. Firefighting Measures

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|---|---|
| **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.

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|---|---|
| **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-red oil-in-water emulsion |
| **Odor** | Pungent, spicy |
| **pH** | Not determined |
| **Flash Point** | Not applicable — aqueous emulsion, does not sustain combustion |
| **Density** | 0.98–1.05 g/cm³ at 20 °C (typical) |
| **Solubility (Water)** | Dispersible in water (oil-in-water emulsion); miscible with ethanol |
| **Viscosity** | Pourable emulsion; shake before use |
| **Solvent Residues** | None ($CO_2$ extraction) |

## 10. Stability and Reactivity

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|---|---|
| **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

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|---|---|
| **Acute Oral Toxicity** | Not classified for acute oral toxicity. |
| **Skin Irritation** | Not classified for skin irritation. |
| **Eye Irritation** | Not classified for serious eye damage/eye 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 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).

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|---|---|
| **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 – 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. Total capsaicinoids min. 0.3 % w/w (min. 48 000 Scoville heat units). Capsaicinoids are potent sensory irritants: avoid contact with eyes and mucous membranes and avoid generating mists or aerosols. Not classified for acute toxicity under CLP at this concentration.

## 16. Other Information

**Product Specifications**

| | |
|---|---|
| **Botanical Source** | Capsicum chinense Jacq. |
| **Plant Part Used** | Fruits (dried) |
| **Extraction Method** | Supercritical $CO_2$ extraction of dried fruits, emulsified in a lecithin/water base |
| **Country of Origin** | Türkiye |
| **Shelf Life** | 12 months |
| **Storage** | Store at 2–8 °C, protect from light |

Revision Information: Revision Date: 18.10.2026 | Version: 1.4 | Changes from the previous version: Sections 2, 4, 7, 8, 11, 12, 13 and 15.

Literature References: Batch TDS AF-CPCH1EML (20260106-CPCH1EML); 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