

## Material Safety Data Sheet (MSDS)

### Filbertone 1% TEC

Revision Date: 30-October-2025

Version: 1.0

#### Section 1: Product Identification

- **Product Name:** Filbertone 1% TEC
- **Chemical Formula:** C<sub>8</sub>H<sub>14</sub>O
- **CAS No:** NA
- **Synonyms:** 5-Methylhept-2-en-4-one, Filbertone (in TEC base)
- **Recommended Use:** Used as a fragrance ingredient in perfumery and flavor applications for nutty, hazelnut-like aroma.

#### Section 2: Hazards Identification

- **Classification (GHS):** Skin Irritant (Category 2), Eye Irritant (Category 2A)
- **Signal Word:** Warning
- **Hazard Statements:**

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- Causes skin irritation.
- Causes serious eye irritation.
- **Precautionary Statements:**
  - Avoid contact with skin and eyes.
  - Wear protective gloves, protective clothing, and eye protection.
  - Wash hands thoroughly after handling.

## Section 3: Composition / Information on Ingredients

- **Substance:** Filbertone 1% TEC
- **Concentration:** 1% in Triethyl Citrate (TEC)
- **Impurities:** None known to significantly affect classification.

## Section 4: First Aid Measures

- **Inhalation:** Move person to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek immediate medical attention.

## Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media:** Carbon dioxide, dry chemical, foam, or water spray.
- **Specific Hazards:** Emits carbon oxides and irritant fumes under fire conditions.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

- **Personal Precautions:** Avoid inhalation and contact with skin or eyes. Use suitable PPE.
- **Environmental Precautions:** Prevent contamination of soil and waterways.
- **Cleanup Methods:** Absorb with inert material (sand, vermiculite) and place in containers for disposal.

## Section 7: Handling and Storage

- **Handling:** Handle in accordance with good industrial hygiene and safety practices. Avoid inhalation and contact with skin or eyes.
- **Storage:** Store tightly closed in a cool, dry, and well-ventilated place away from heat and direct sunlight.

## Section 8: Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established.
- **Engineering Controls:** Provide adequate local exhaust ventilation.
- **PPE:** Protective gloves, goggles, and clothing. Respirator if exposure limits are likely to be exceeded.

## Section 9: Physical and Chemical Properties

- **Appearance:** Colorless to pale yellow liquid
- **Odor:** Nutty, roasted, hazelnut-like odor
- **Boiling Point:** 78 - 80 °C
- **Flash Point:** 14 °C
- **Solubility:** Insoluble in water; soluble in organic solvents
- **Molecular Weight:** 126.199 g/mol

## Section 10: Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions.

- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides and other harmful gases under fire conditions.

## Section 11: Toxicological Information

- **Routes of Exposure:** Inhalation, ingestion, skin, and eye contact.
- **Acute Toxicity:** Expected to be of low acute toxicity.
- **Irritation:** Causes skin and eye irritation.
- **Sensitization:** May cause allergic reaction in sensitive individuals.
- **Chronic Effects:** Prolonged exposure may cause mild dermatitis.

## Section 12: Ecological Information

- **Ecotoxicity:** Not expected to be hazardous to the environment.
- **Persistence and Degradability:** Expected to be biodegradable.
- **Bioaccumulative Potential:** Low.
- **Mobility in Soil:** Low, due to low solubility in water.

## Section 13: Disposal Considerations

- Dispose of contents and containers in accordance with local, regional, and national regulations.
- Avoid release into the environment.

## Section 14: Transport Information

- **UN Number:** 1170
- **Proper Shipping Name:** Filbertone 1% TEC
- **Transport Hazard Class:** 3
- **Packing Group:** II

## Section 15: Regulatory Information

- The product complies with applicable international chemical safety regulations (TSCA, REACH, etc.).
- Classified as hazardous under GHS for skin and eye irritation.

## Section 16: Other Information

- **Disclaimer:** The above information is believed to be correct but does not claim to be exhaustive. Users are responsible for verifying suitability under actual conditions of use. **Triveni chemicals** disclaims any liability for damage resulting from handling or contact.

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