

MATERIAL SAFETY DATA SHEET: ETHYL SAFRANATE
The Anthea Group

I. PRODUCT IDENTIFICATION	<p>Product Name: ETHYL SAFRANATE</p> <p>Usage: Perfumery</p> <p>Chemical Formula: C₁₂ H₁₈ O₂</p> <p>CAS Number: 35044-59-8</p> <p>EINECS Number: 252-335-9</p> <p>IUPAC Name: ethyl 2,6,6-trimethylcyclohexa-1,3-diene-1-carboxylate</p> <p>Synonyms: Oriental Ester Ethyl Damascate</p>
II. PHYSICAL & CHEMICAL PROPERTIES	<p>Form: Liquid</p> <p>Appearance/Color: Colorless to pale yellow</p> <p>Odor: Floral, rose, fruity, apple, spicy</p> <p>Solubility in water: Insoluble</p> <p>Specific gravity: 0.96200 to 0.97200 at 20°C</p> <p>Refractive index: 1.4740 to 1.4800 at 20°C</p> <p>Flash Point: >85 °C</p>
III. HEALTH HAZARD DATA	<p>Routes of exposure: Skin contact, eye contact, ingestion, inhalation of vapors.</p> <p>Effects of overexposure: Maybe irritating to skin, eyes and skin. Maybe harmful if ingested.</p>
IV. FIRE & EXPLOSION HAZARD	<p>Extinguishing media: Carbon dioxide, dry chemical, universal type foam.</p> <p>Special firefighting procedures: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils and chemicals.</p> <p>Explosion hazard: None known to Anthea.</p> <p>Unusual fire hazard: Development of hazardous combustion gases or vapors possible in the event of fire.</p>

<p>V. EMERGENCY & FIRST AID PROCEDURE</p>	<p>Eye contact: Flush immediately with clean water for at least 15 minutes. Contact a physician immediately.</p> <p>Skin contact: Remove contaminated clothing or shoes. Wash affected area with soap and water for 15 minutes. Contact a physician if necessary.</p> <p>Inhalation: If headache, nausea or drowsiness occurs move to area with fresh air. Contact a physician if necessary.</p> <p>Ingestion: If conscious and can swallow, give water to dilute and consult a physician or poison control center immediately.</p>
<p>VI. REACTIVITY DATA</p>	<p>Chemical stability: Stable</p> <p>Incompatibility: Avoid contact or contamination with strong acids, alkalis or oxidizing agents. Protect from exposure to moisture and air.</p>
<p>VII. SPILL OR LEAK CONTROL</p>	<p>Spill or leak management: Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Avoid inhalation and use of self-contained breathing apparatus is recommended for any major spills. Report spills to appropriate authorities if required.</p> <p>Waste disposal: Place material and absorbent into sealed containers and dispose as per regulations.</p>

<p>VIII. PERSONNEL PROTECTION / EXPOSURE CONTROL</p>	<p>Respiratory protection: None generally required. If required use NIOSH approved respirator.</p> <p>Ventilation protection: Local exhaust meeting ACGIH criteria as needed.</p> <p>Protective clothing: Chemical resistant clothing as needed.</p> <p>Protective gloves: Use chemical resistant gloves to avoid prolonged or repeated contact.</p> <p>Eye protection: Use goggles or face shield to avoid eye contact.</p> <p>Other measures: Avoid contact with skin, eyes or inhalation. Good personal hygiene practices should be practised. Wash after contact, before or after meals and at the end of the work period. Contaminated clothes or shoes should be cleaned before reuse.</p>
<p>IX. REGULATORY CLASSIFICATIONS</p>	<p>This substance contains no materials subject to the reporting requirements of Superfund Amendments and Reauthorization Act of 1986 Title III Section 313.</p>
<p>X. TRANSPORT INFORMATION</p>	<p>Ground Shipping: Not Regulated</p> <p>Maritime transport IMDG: Not Regulated</p> <p>Air transport (IATA): Not Regulated</p>

XI. DISCLAIMER

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