

MATERIAL SAFETY DATA SHEET: 4-phenyl-4-methyl-2-pentanone
The Anthea Group

I. PRODUCT IDENTIFICATION	<p>Product Name: 4-phenyl-4-methyl-2-pentanone</p> <p>Usage: Perfumery</p> <p>Chemical Formula: C₁₂H₁₆O</p> <p>CAS Number: 7403-42-1</p> <p>EINECS Number: 231-007-9</p> <p>IUPAC Name: 4-methyl-4-phenylpentan-2-one</p> <p>Synonyms: Vetikone Vetilan</p>
II. PHYSICAL & CHEMICAL PROPERTIES	<p>Form: Liquid</p> <p>Appearance/Color: Colorless to pale yellow</p> <p>Odor: Rooty, vetiver - with a nuance of gardenia.</p> <p>Solubility in water: Insoluble</p> <p>Specific gravity: 0.970 to 0.976 at 20 °C</p> <p>Refractive index: 1.508 to 1.512 at 20 °C</p> <p>Flash Point: >100 °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: Do not allow product to enter drains, 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: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.</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>Hazards: Harmful if swallowed</p> <p>Symbols: ✘</p> <p>R and S phrases: R22</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

The information contained in this Material Safety Data Sheet has been compiled from data considered to be accurate. However values for certain properties are known to vary from source to source. Anthea Aromatics Private Limited disclaims any liability or warranty for any injury or loss arising from the use of this information or the materials described. This data should not be taken to be complete as additional data may be required when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautionary measures for handling and using the material described. This data relates only to the specific material described and should not be used in combination with other materials. Many central and state regulations govern the end use of the material and the disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with these regulations.
