



DRT-ANTHEA

The Anthea Group

**MATERIAL SAFETY DATA SHEET: GERANIOL 98**

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| <b>I. PRODUCT IDENTIFICATION</b>              | <b>Product Name:</b> GERANIOL-98<br><b>Usage:</b> Perfumery<br><b>Chemical Formula:</b> C <sub>10</sub> H <sub>18</sub> O<br><b>CAS Number:</b> 106-24-1<br><b>EINECS Number:</b> 203-377-1<br><b>IUPAC Name:</b> (2e)-3,7-dimethylocta-2,6-dien-1-ol   |
| <b>II. PHYSICAL &amp; CHEMICAL PROPERTIES</b> | <b>Form:</b> Liquid<br><b>Appearance/Color:</b> Colorless to pale yellow<br><b>Odor:</b> Floral, sweet, rosy, fruity and citronella-like with a citrus nuance.<br><b>Solubility in water:</b> Insoluble<br><b>Specific gravity:</b> 0.87000 to 0.88500 at 20°C<br><b>Refractive index:</b> 1.46900 to 1.48200 at 20°C<br><b>Flash Point:</b> 107°C (closed cup)   |
| <b>III. HEALTH HAZARD DATA</b>                | <b>Routes of exposure:</b> Skin contact, eye contact, ingestion and inhalation.<br><b>Effects of overexposure:</b> Maybe irritating to skin, eyes and skin. Maybe harmful if ingested.  |
| <b>IV. FIRE &amp; EXPLOSION HAZARD</b>        | <b>Extinguishing media:</b> Carbon dioxide, dry chemical, universal type foam.<br><b>Special firefighting procedures:</b> Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils and chemicals.<br><b>Unusual fire hazard:</b> Development of hazardous combustion gases or vapors possible in the event of fire. For safety reasons do not use full water jet. |

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| <p><b>V. EMERGENCY &amp; FIRST AID PROCEDURE</b></p> | <p><b>Eye contact:</b> Flush immediately with clean water for at least 15 minutes. Contact a physician immediately.</p> <p><b>Skin contact:</b> Remove contaminated clothing or shoes. Wash affected area with soap and water for 15 minutes. Contact a physician if necessary.</p> <p><b>Inhalation:</b> Move to area with fresh air. If breathing has stopped provide artificial respiration and oxygen if available. Contact a physician if necessary.</p> <p><b>Ingestion:</b> Rinse mouth with water and seek medical advice. Do not induce vomiting.</p> |
| <p><b>VI. REACTIVITY DATA</b></p>                    | <p><b>Chemical stability:</b> Stable</p> <p><b>Incompatibility:</b> Avoid contact or contamination with strong acids, alkalis or oxidizing agents. Protect from light and air.</p>   |
| <p><b>VII. SPILL OR LEAK CONTROL</b></p>             | <p><b>Spill or leak management:</b> Eliminate all ignition sources, ventilate area, contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Use of self-contained breathing apparatus is recommended for any major spills. Report spills to appropriate authorities if required.</p> <p><b>Waste disposal:</b> Place material and absorbent into sealed containers and dispose as per regulations.</p>   |

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| <p><b>VIII. PERSONNEL PROTECTION / EXPOSURE CONTROL</b></p> | <p><b>Respiratory protection:</b> None generally required. If required use NIOSH approved respirator.</p> <p><b>Ventilation protection:</b> Local exhaust meeting ACGIH criteria as needed.</p> <p><b>Protective clothing:</b> Chemical resistant clothing as needed.</p> <p><b>Protective gloves:</b> Use chemical resistant gloves to avoid prolonged or repeated contact.</p> <p><b>Eye protection:</b> Use goggles or face shield to avoid eye contact.</p> <p><b>Other measures:</b> 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><b>IX. TOXICOLOGICAL INFORMATION</b></p>                 | <p><b>Oral LD<sub>50</sub>:</b> Rat → 3600 mg/kg</p> <p><b>Dermal LD<sub>50</sub>:</b> Rabbit → &gt;5000 mg/kg</p> <p><b>Inhalation LD<sub>50</sub>:</b> None established</p>  |
| <p><b>X. REGULATORY INFORMATION</b></p>                     | <p><b>OSHA Hazards:</b> Skin sensitizer, mild skin irritant, mild eye irritant.</p> <p><b>SARA 311/312 Hazards:</b> Acute Health Hazard</p> <p><b>HMIS Classification:</b> Health hazard: 2<br/>Flammability: 0<br/>Physical and chemical hazards: 0</p>   |
| <p><b>XI. TRANSPORT INFORMATION</b></p>                     | <p><b>Ground Shipping (USDOT):</b> Not dangerous goods</p> <p><b>Air shipping (IATA):</b> Not dangerous goods</p> <p><b>Ocean Shipping (IMDG):</b> Not dangerous goods</p>   |

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| <b>XII. DISCLAIMER</b> | <p>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. DRT – Anthea Aroma Chemicals 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.</p> |
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