



ELAROMA - LIAL™ (Lilialdehyde)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless to pale yellow liquid
Physical Form	Colorless to pale yellow liquid
Odor	Fresh, green, floral, lily, with powdery and muguet notes
Molecular Formula	C14H20O
Molecular Weight	204.31 g/mol
Density	0.95 g/cm ³
Specific Gravity	0.9420 to 0.9470 @ 25.00 °C
Viscosity	14.872 mPa·s @ 20 °C
Refractive Index	1.5030 to 1.5060 @ 20.00 °C
Assay / Purity	≥96.0% - 97.28%
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents, strong acids, alkalis
Hazardous Reactions	Presents no significant reactivity hazard by itself or in contact with water. Not expected under normal conditions of use.
Hazardous Decomposition Products	Under fire conditions: Carbon oxides, unidentified organic compounds.
Thermal Properties	
Melting Point	28-30 °C
Boiling Point	263 °C
Flash Point	98.89 °C (Closed Cup)
Thermal Stability	Good stability under normal storage conditions. Slowly oxidizes on storage. Avoid extreme heat.
Solubility	
Solubility in Water	33 mg/L @ 20 °C
Solubility in Chloroform	Sparingly soluble



Property	Specification
Solubility in DMSO	55 mg/mL

2. Dosing by Application

Application	Recommended / Max Dosage
Fine Fragrance	0.5% - 3%
Finished Products (General)	Permitted up to 1.4% (IFRA 51, Cat. 4)
Products applied to the axillae (e.g., Deodorants)	0.09% (IFRA Restriction)
Products applied to the lips	Prohibited (IFRA Restriction)

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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