



ELAROMA - oTBCHAC™ (Ortho Tertiary Butyl Cyclo Hexyl Acetate (OTBCHA))

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless to pale yellow liquid
Physical Form	Colorless to pale yellow liquid
Odor	Fruity, woody, green, with apple-like notes
Molecular Formula	C ₁₂ H ₂₂ O ₂
Molecular Weight	198.30 g/mol
Density	0.94 g/cm ³
Specific Gravity	0.938 - 0.946 @ 20°C
Refractive Index	1.4500 - 1.4560 @ 20°C
Assay / Purity	≥98.0% (sum of isomers)
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents, strong acids, and strong bases
Hazardous Reactions	Not expected under normal conditions of use.
Hazardous Decomposition Products	Carbon oxides under fire conditions.
Thermal Properties	
Melting Point	34.5-35.4°C (pure cis isomer)
Boiling Point	255-256 °C
Flash Point	90 °C (closed cup)
Thermal Stability	Stable under normal conditions. Avoid extreme heat.
Solubility	
Solubility in Water	Practically insoluble
Solubility in Ethanol	Soluble
Solubility in Methanol	529.55 g/L @ 25°C



Property	Specification
Solubility in Acetone	545.91 g/L @ 25°C
Solubility in Oils	Soluble

2. Dosing by Application

Application	Recommended / Max Dosage
Fine Fragrance	1 - 10% in the fragrance concentrate
Functional Perfumery (e.g., Shampoos, Detergents)	Up to 15% in the fragrance concentrate
Soaps and Cleansing Powders	The dosage is about 10% (in the fragrance concentrate)
Creams & Lotions	Fair suitability
Antiperspirants/Deodorants	Fair suitability
Shampoo / Liquid Soap	Very Good suitability
Detergent Powder	Fair suitability
Fabric Softener	Good suitability

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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