



ELAROMA – CAO™ (Cinnamic Alcohol)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	White crystalline solid or pale yellow liquid
Physical Form	Crystalline
Odor	Pleasant, floral
Molecular Weight (g/mol)	134.2
Density or Specific Gravity	1.0397 @ 35 °C/35 °C
Refractive Index	1.5819
Chemical Properties	
pKa	0.852[at 20 °C]
Thermal Properties	
Melting Point	33 °C
Boiling Point	250.0 °C @ 760 MM HG
Flash Point	126 °C

2. Processing Methods



Perfume

Blend with floral, oriental, or woody accords like jasmine, rose, or sandalwood to enhance depth and softness. Dissolve in the perfume concentrate before adding alcohol to ensure even distribution and stability.

Key Ingredients	Indicative Dosage (% w/w)
Cinnamic Alcohol	0.06%
Benzyl Acetate	8%
Phenylethyl Alcohol	20%
Linalool	10%
Geraniol	10%
Iso E Super	15%
Hedione	15%
Musk (Galaxolide 50%)	10%
Vanillin	5%
Fixative base (e.g., DPG)	~7%

Shampoo

Add during the cool-down phase, to preserve its aromatic properties and prevent evaporation. Pre-mix with a solubilizer to ensure proper dispersion in the water-based shampoo.

Key Ingredients	Indicative Dosage (% w/w)
Sodium Laureth Sulfate	20.0%
Cocamidopropyl Betaine	5.0%
Cocoamphodiacetate	3.0%
Glycerin	3.0%
Citric Acid	1.5%
Fragrance Blend	0.5%
Cinnamyl Alcohol	0.76%
Sodium Chloride	0.5%
Polyquaternium or Conditioning Polymer	0.3%
Preservative (e.g. Phenoxyethanol)	0.5%
Disodium EDTA	0.1%
Water	~65%



Soap

Add during the fragrance phase, when the soap mixture cools below 45°C, to avoid evaporation and preserve scent. Pre-blend with fragrance oils or a solubilizer for better distribution in both cold and hot process soaps.

Key Ingredients	Indicative Dosage (% w/w)
Sodium palmitate / stearate	70%
Glycerin	5%
Water	15%
Fragrance blend	~10.0%
Cinnamyl (Cinnamic) Alcohol	0.5%

Cream

Use at low levels, as it has a sweet, floral-balsamic scent and potential for sensitization at higher concentrations. Add during the cool-down phase, to preserve fragrance integrity and prevent evaporation. Pre-mix with the oil phase or a solubilizer to ensure proper dispersion in the emulsion.

Key Ingredients	Indicative Dosage (% w/w)
Water	75%
Glycerin	5%
Cetearyl Alcohol	5%
Caprylic/Capric Triglyceride	5%
Glyceryl Stearate	4%
Dimethicone	2%
Phenoxyethanol	0.8%
Cinnamic Alcohol	0.2%
Fragrance	2%

3. Products

Products	Authorized dosage
Perfume/Fragrance	0.01% - 0.06%
Leave-on Cosmetics	Up to 0.4%

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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