



ELAROMA - DHMO™ (Dihydromyrcenol (DHM))

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Clear, colorless liquid
Physical Form	Liquid
Odor	Citrus
Molecular Weight (g/mol)	156.26
Density or Specific Gravity	0.784 g/mL at 25 °C(lit.)
Viscosity	12.2mm ² /s
Refractive Index	n ₂₀ /D 1.443(lit.)
Density	12.2mm ² /s
Chemical Properties	
pKa	15.31±0.29(Predicted)
Water Solubility	939mg/L at 20°C
Incompatibilities	Strong oxidizing agents
Thermal Properties	
Boiling Point	84 °C10 mm Hg(lit.)
Flash Point	170 °F
Solvent	
Water	~0.09%
Ethanol	Miscible
Diethyl ether	Miscible
Paraffin oil	Miscible
Kerosene	Miscible

2. Processing Methods



Perfume

Add to the oil phase before alcohol dilution to ensure even mixing and maintain formulation clarity. Acts as a top to middle note, blending well with citrus, lavender, musks, and woody accords to enhance brightness and lift.

Key Ingredients	Indicative Dosage (% w/w)
Dihydromyrcenol	5%
Linalool	15%
Benzyl Acetate	10%
Phenylethyl Alcohol	10%
Hedione	10%
Iso E Super	15%
Galaxolide	10%
Musk Ketone	5%
Dipropylene Glycol (DPG)	20%

Soap Detergent

Add during the final blending phase, after the base has cooled, to minimize loss due to volatility. Pre-mix with fragrance oils to ensure uniform distribution and better performance in high-water-content formulas.

Key Ingredients	Indicative Dosage (% w/w)
Sodium Palmate	65%
Sodium Palm Kernelate	10%
Stearic Acid	5%
Glycerin	4%
PEG-7 Glyceryl Cocoate (thickener/surfactant)	3%
Water	10%
Tetrasodium EDTA	0.3%
Citric Acid	0.2%
Preservative (Phenoxyethanol)	0.3%
Fragrance Blend	~2%
Dihydromyrcenol	0.2%



Cosmetic lotion

Add during the cool-down phase, to preserve its volatile top-note character and avoid scent loss. Pre-blend with fragrance oils or a solubilizer to ensure even dispersion in the emulsion.

Key Ingredients	Indicative Dosage (% w/w)
Water	70%
Glycerin	5%
Cetearyl Alcohol	3%
Glyceryl Stearate	2%
Caprylic/Capric Triglyceride	5%
Dihydromyrcenol	3%
Linalool	15%
Rose Base	12%
Terpineol	5%
β -Ionone	5%
Vertofix	10%
Hedione	18%
Florosa	20%



Soap

Add during the fragrance phase, when the soap base cools, to minimize evaporation and scent loss. Pre-blend with other fragrance components to ensure even distribution and a well-rounded fragrance

Key Ingredients	Indicative Dosage (% w/w)
Sodium Palmate	45%
Sodium Palm Kernelate	25%
Stearic Acid	10%
Glycerin	4%
PEG-32 (structuring agent)	2%
Tetrasodium EDTA	0.2%
Citric Acid	0.1%
Titanium Dioxide	0.5%
Preservative (e.g., Phenoxyethanol)	0.2%
Fragrance Blend	~2%
Dihydromyrcenol	0.2%
Water	10%

3. Products

Authorized dosage	Perfume/Fragrance	Detergents	Cosmetic Care
Authorized dosage	0.75% - 7.5%	0.75% - 7.5%	0.75% - 5%

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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