



ELAROMA – BZBT™ (Benzyl Benzoate)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless to pale yellow oily liquid
Physical Form	Liquid
Odor	Faint, pleasant, aromatic odor
Molecular Weight (g/mol)	212.24
Density or Specific Gravity	1.1121 g/cu cm at 25 °C
Viscosity	8.292 cP at 25 °C
Refractive Index	1.5680 at 20 °C/D
Thermal Properties	
Melting Point	21 °C
Boiling Point	323.5 °C
Flash Point	148 °C
Autoignition Temperature	896 °F (480 °C)

2. Processing Methods



Hair Conditioner

Add during the cool-down phase, to preserve its function as a fragrance fixative and solvent without degrading sensitive ingredients. Pre-mix with fragrance or oil phase, especially in creamy conditioners, to ensure uniform distribution and avoid separation.

Key Ingredients	Indicative Dosage (% w/w)
Water (Aqua)	~85-90%
Behentrimonium Methosulfate + Cetearyl Alcohol	1-3%
Stearyl Alcohol	1-3%
Distearoylethyl Dimonium Chloride + Cetearyl Alcohol	1-3%
Cetyl Alcohol	0.3-1%
Hydrogenated Polydecene	0.3-1%
Cetearyl Alcohol (additional)	0.3-1%
Propanediol	1-3%
PPG-3 Benzyl Ether Ethylhexanoate	0.3-1%
Dicaprylyl Carbonate	0.10-0.3%
Fragrance - contains benzyl benzoate	0.3-1%

Soap

Add during the fragrance phase, when the soap mixture has cooled to preserve its fixative and fragrance-enhancing properties. Check for heat sensitivity in hot process soaps, as prolonged high heat may slightly reduce its effectiveness or alter fragrance performance.

Key Ingredients	Indicative Dosage (% w/w)
Sodium stearate (soap base)	40 - 70%
Sodium carbonate	1 - 2%
Triethanolamine	0.1 - 0.2%
Benzyl benzoate	2 - 30%
Methyl salicylate	0.1 - 0.5%



Medicinal lotion

Add during the oil phase if using Benzyl Benzoate as a solvent or fixative, since it is oil-soluble and heat-stable. Blend thoroughly to ensure even distribution, especially if used with essential oils or perfumes in the lotion.

Key Ingredients	Indicative Dosage (% w/w)
Benzyl benzoate	26-30%
Triethanolamine	0.5%
Oleic acid	2%
Purified water	~70%

3. Dosing by Application

Products	Typical dosage %
Fragrance Ingredient	0.01%-0.5%
Cosmetic Products	0.001%-1%

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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