



ELFAT – SHB™ (Shea Butter)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Grey-white solid; Off-white to pale yellow semi-solid
Physical Form	Solid
Odor	Characteristic, Fatty
Density or Specific Gravity	0.89-0.91 g/cm3
Refractive Index	1.461 at 25°C; 1.4620-1.4650 at 44°C
Thermal Properties	
Flash Point	>338°C/>640°F
Melting Point	32-40°C
Decomposition Temperature	Decomposes above melting point
Thermal Stability	Stable at room temperature; decomposes at high temperatures
Chemical Properties	
Water Solubility	Insoluble
Incompatibilities	Strong oxidizing agents
Hazardous Reactions	May emit acrid fumes if overheated

2. Processing Methods

Lip balm

Add Shea Butter to the oil phase and melt it gently with other oils and waxes. It offers rich moisturization and a smooth, creamy texture, enhancing the lip balm's emollient and protective qualities.

Key Ingredients	Indicative Dosage (% w/w)
Beeswax	20%
Shea Butter	10%
Cocoa Butter	15%
Sweet Almond Oil	40%
Coconut oil	15%



Sunscreen cream

Add Shea Butter to the oil phase and heat gently until fully melted. It provides moisturization and skin barrier support, enhancing the emollient properties and spreadability of the sunscreen cream.

Key Ingredients	Indicative Dosage (% w/w)
Avobenzone	3%
Octocrylene	5%
Isopropyl Myristate	4%
Shea Butter	3%
Cetyl Alcohol	2%
Water	~61%
Glycerine	4%
Xanthan Gum	0.5%

Skin lotion

Melt shea butter with the oil phase to ensure smooth blending and prevent graininess. Combine with lighter emollients to improve spreadability and avoid a greasy after feel in the final lotion.

Key Ingredients	Indicative Dosage (% w/w)
Shea Butter	10%
Sweet Almond Oil	5%
Glycerin	3%
Vitamin E Oil	1%
Distilled Water	80%



Hair conditioner

Add Shea Butter to the oil phase of the hair conditioner and heat gently to ensure complete melting and smooth blending. Adjust emulsifiers if needed to maintain a stable, creamy consistency.

Key Ingredients	Indicative Dosage (% w/w)
Shea Butter	42.6%
Extra virgin coconut oil	10.7%
Extra virgin olive oil	10.7%
Jojoba oil	10.7%
Brahmi and amla oil	5.3%
Castor oil	5.3%
Sweet almond oil	5.3%
Vegetable glycerin	5.3%
Argan oil	1.7%
Sesame oil	1.7%
Vitamin E (tocopherol)	0.67%
Peppermint	0.043%
Rosemary	0.036%
Tea tree	0.014%
Lavender oil	0.014%

3. Dosing by Application

Products	Authorized dosage
Lotions & Creams	3-20%
Lip products	1-11%
Hair Care	1-50%

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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