

# Spongy Styling Paste

Formula# : 3/19-197/10000/164-5

## Features

- Soft, bouncy formula with excellent pickup
- Light to medium hold
- Lanolin free, vegan formula

Hair Care

Emulsion

Traditional Ingredients

Vegan

## Formula

### Kester Wax BK-40

Unique branched wax ester. Brittle solid with a low melt point, can replace natural butters in emulsions, providing film forming, thickening and emolliency, without risk of oxidation.

### Kostol ApiFree

Natural, vegan blend designed to mimic the properties of PEG-8 Beeswax. Adds slip in anhydrous formulations. Improves stability in emulsions. Usage level 1-10%.

### Permulin D

Non-ionic o/w emulsifier. Designed for multiple formula types, wide pH tolerance. Versatile, reliable and economic. Usage level 2-6%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	55.15
Disodium EDTA	Disodium EDTA	0.05
Pemulen TR-1 <sup>2</sup>	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.1
Tealan 99 <sup>3</sup>	Triethanolamine	0.2
Optiphen <sup>4</sup>	Phenoxyethanol, Caprylyl Glycol	1.0
Glycerin	Glycerin	3.0
PVP K-90 <sup>4</sup>	PVP	4.5
<i>Phase B</i>		
<b>Branched Kester Wax BK-40<sup>1</sup></b>	<b>C32-36 Isoalkyl Stearate</b>	<b>22.0</b>
<b>Kostol ApiFree<sup>1</sup></b>	<b>Behenyl Behenate, Polyhydroxystearic Acid, Polyglyceryl-10 Stearate, Euphorbia Cerifera (Candelilla) Wax, Sodium Stearoyl Lactylate</b>	<b>8.0</b>
<b>Permulin D<sup>1</sup></b>	<b>Cetearyl Alcohol, Cetareth-20</b>	<b>6.0</b>

## Procedure

- Begin heating water at 80°C. Add Phase A ingredients one by one, mixing until uniform.
- Combine Phase B ingredients, and heat to 80-85°C until melted.
- Add Phase B to Phase A under agitation and mix at high speed until emulsion is uniform.
- Check pH and adjust to 6-7.
- Pour into containers at 60-65°C

### Stability Information:

Three months at 45 °C, three months at room temperature, three freeze/thaw cycles.

### Supplier Information:

1. Koster Keunen, Inc.; 2. Lubrizol; 3. Rita; 4. Brenntag Specialties.

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