

# Vegan Hair Defining Paste

Formula# : 11/18-592/10000-1

## Features

- Inspired by American Crew Defining Paste
- Medium hold, low shine formula
- Soft and pliable

Hair Care

Emulsion

Traditional Ingredients

Vegan

## Formula

### Kester Wax CT

Vegan wax blend designed to mimic the properties of lanolin wax. Thickener, film former, texturizer, thickener, emollient. Usage level 0.5-20%.

### 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%.

### Kester Wax K-62

Naturally derived wax ester of plant origin. High melt point solid wax, provides hard structure in anhydrous applications. Structurant. Usage level 1-20%.

Trade Name	INCI Name	%
<i>Phase A</i>		
Deionized Water	Aqua	55.15
Disodium EDTA	Disodium EDTA	0.05
Pemulan 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>		
Kester Wax CT	C32-36 Isoalkyl Stearate, Polyhydroxystearic Acid, Stearyl Behenate, Cetearyl Alcohol, Polyglyceryl-3 Stearate, Polysorbate 60	18.0
Permulgin D <sup>1</sup>	Cetearyl Alcohol, Cetareth-20	6.0
Kostol ApiFree <sup>1</sup>	Behenyl Behenate, Polyhydroxystearic Acid, Polyglyceryl-10 Stearate, Euphorbia Cerifera (Candelilla) Wax, Sodium Stearoyl Lactylate	8.0
Kester Wax K-62 <sup>1</sup>	Stearyl Behenate	4.0

## Procedure

- Begin heating water to 80 °C, add Phase A ingredients one by one, mixing after each until uniform.
- Combine Phase B ingredients, and heat to 80–85 °C until melted.
- Add Phase B to Phase A under agitation mix at high speed until emulsion is uniform.
- Cool emulsion, then pour into containers at 55-60 °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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