

Hair Fiber

Formula # 5/18-592/131-8

Features

- Inspired by American Crew Hair Fiber.
- Provides medium hold, and low shine.
- Thick and creamy without lanolin wax.

Hair Care

Emulsion

Traditional Ingredients

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%.

Kester Wax K-72

Naturally derived wax ester of plant origin. High melt point solid wax, provides structure and easy payoff in anhydrous applications. Emollient, jojoba wax alternative. Usage level 1-10%.

PEG-8 Beeswax

Beeswax derivative that increases compatibility with polar materials. Promotes creamy textures and spreadability in anhydrous systems. Co-emulsifier, stabilizer in emulsions. Usage level 1-10%.

Trade Name	INCI Name	%
Phase A		
Deionized Water	Aqua	43.5
Disodium EDTA	Disodium EDTA	0.05
Pemulen TR-1 ²	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.1
Tealan 99 ³	Triethanolamine	0.3
Optiphen ⁴	Phenoxyethanol, Caprylyl Glycol	1.0
Glycerin	Glycerin	5.0
PVP K-90 ⁴	PVP	7.0
FD&C Yellow #5 (5%) ⁵	CI 19140 (Yellow 5)	0.05
Phase B		
Kester Wax CT ¹	C32-36 Isoalkyl Stearate, Polyhydroxystearic Acid, Stearyl Behenate, Cetearyl Alcohol, Polyglycerol-3 Stearate, Polysorbate 60	12.0
Kester Wax K-62 ¹	Stearyl Behenate	12.0
PEG-8 Beeswax ¹	PEG-8 Beeswax	4.0
Permuglin D ¹	Cetearyl Alcohol, Ceteareth-20	6.0
Cutina AGS ⁶	Glycol Distearate	5.0
Phase C		
Fragrance	Parfum	1.0
SD Alcohol	Alcohol Denat.	3.0

Procedure

- Begin heating water to 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.
- Cool to 60-65°C, then add Phase C.
- 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; 5. Spectra Colors; 6. BASF.

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