



Anhydrous Ethnic Hair Gel with Intelimer® 13-1 Polymer

Formulating Guide No. H006

Description

Anhydrous Ethnic Hair Gel with Intelimer 13-1 polymer is designed to provide a conditioning, glossy appearance that is non-greasy with a silky look and feel.

Procedure

1. Combine all the ingredients in the order listed except the preservative while stirring.
2. Then increase temperature of mixture to 60 °C while stirring. Let Intelimer IPA 13-1 polymer dissolve completely.
3. Add preservative once the mixture has cooled to 45 °C. Continue to cool to desired temperature and package.

Typical Properties

(not to be used as specifications)

Appearance	Anhydrous gel
pH	N/A
Stability	Passed 4 month 50 °C
Viscosity (cPs)	Anhydrous gel

Note: To improve hand clarity of Intelimer anhydrous gel 0.1- 0.5% of PEG-4 is recommended. The PEG-4 can be added along with the other ingredients while stirring and heating.

Warning: Higher amount of PEG-4 are not recommended due to the fact higher level can cause the formulation to become unstable.

Ingredient / Trade Name	INCI Designation	%W/W	Function	Supplier
Mineral Oil Drakeol® 7LT	Mineral Oil	19.7	Conditioner	Penreco
Finsolv® TN	C12-15 Alkyl Benzoate	6.0	Solublizer	Innospec
Caprylic/Capric Triglyceride	Caprylic/Capric Triglyceride	10.8	Conditioner	
Isopropyl Palmitate	Isopropyl Palmitate	30.0	Conditioner	Rita
Eutanol® G	Octyldodecanol	16.5	Conditioner	Momentive
SF 1202	Cyclopentasiloxane	4.3	Shine Enhancer	GE Silicones
Uninol® MC 80	Octinoxate	7.5	UVB Active	BASF
Intelimer IPA 13-1	Poly C10-30 alkyl acrylate	5.0	Thickener	Air Products
LiquaPar® oil	Isopropylparaben (and) Isobutylparaben (and) Butylparaben	0.2	Preservative	ISP

For Samples or More Information

If you would like additional information or technical assistance in preparing specific formulations, write or call Air Products and Chemicals, Inc.

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