





This crystal-clear, firm-hold styling gel is designed for high-performance grooming. Optimal hair fixation is achieved through the synergy of **Hairfix STF** and **Polygel HG**. To ensure stability in transparent packaging, **Uvasorb® S5** is incorporated to protect the formula from UV-induced degradation.

	 Components	 INCI Declaration	 %	 Function
Phase I	Deionized Water Tetrasodium EDTA FD&C Blue 1 Uvasorb® S5 Polygel HG Hairfix STF	Water (Aqua) Tetrasodium EDTA CI 42090 Benzophenone-4 Carbomer Polyacrylic acid	Up to 100 0.05 0.000016 0.05 1.40 0.20	Solvent Chelating agent Colorant Photo-stabilizer Rheology modifier Hair fixative
Phase II	AMP-95 ^(A)	Aminomethyl Propanol	pH 6.4 – 6.8	pH adjuster
Phase III	Emulsiderm P40HCO ORC2002595 Rose Ice ^(B) Glycerin USP Linoserve WpH-LO Plus ^(C)	PEG-40 Hydrogenated Castor Oil Parfum Glycerin Pentylene Glycol (and) Propanediol (and) Caprylyl Glycol (and) Ethylhexylglycerin (and) Chlorphenesin	0.25 0.05 1.40 1.00	Solubilizer Fragrance Plasticizer, humectant Preservative

Appearance	Pale blue transparent viscous gel
Viscosity (RVT-C @ 2 rpm)	120,000 – 140,000 cps
pH @ 25C	6.4 – 6.8
Transmittance (@425nm)	>92.0%

Procedure:

- In the main vessel, charge the deionized water. Add the EDTA, colorant, and UVASORB® S5. Mix until completely dissolved.
- Create a vortex at high speed. Slowly sift the POLYGEL HG and HAIRFIX STF into the vortex and allow both to disperse. Continue mixing until the polymers are fully hydrated and solution is free of lumps.
- Under slow-speed agitation to prevent air entrapment, add the AMP-95 (about 1.5% w/w) to neutralize the Phase I mixture. The batch will rapidly transition to a high-viscosity gel.
- In a separate vessel, mix the EMULSIDERM P40HCO and fragrance. Stir until the mixture is clear. Add the glycerin and preservative to this premix and mix until uniform.
- Slowly add the Phase III premix to the main gel batch under slow-speed agitation.
- Continue mixing at a low speed with recirculation until the mixture is uniform. Avoid high-shear at this stage to avoid air entrainment.

Sources:

- Advancion
- Orchidia
- Lincoln MFG