

Stringtastic Fibre Styling Paste with Unimer U-15

This fibrous styling paste is soft to the touch with a long stringy pick-up. The combination of our **Lanolin Alcohol D-AG** and **Unimer U-15** give a beautiful soft texture. Carnuba Wax gives added structure and contributes to the stringtastic effect.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Water	Aqua	Solvent	56.95	
2	1,3 Butylene Glycol Cosmetic	Butylene Glycol	Humectant	3.5	D.K.S.H
3	Organic Glycerine	Glycerin	Humectant	3.5	ProTec Botanica
4	Polyox WSR-301	PEG90M	Reology Modifier	0.1	Dow Chemical
5	Luviskol VA64W	PVP\VA Copolymer	Hair Fixative	6	BASF
6	Euxyl PE9010	Phenoxyethanol & Ethylhexyl Glycerin	Preservative	0.75	Shulke UK
7	Lanolin Alcohol D-AG	Lanolin Alcohol	Structurant	3	NK Ingredients Via ProTec Ingredia
8	Mineral Oil	Mineral Oil	Emollient	7	Micro Powders
9	Brij C20	Ceteth-20	Emulsifier	7	Croda
10	Carnauba Wax	Carnauba Wax	Hardener	3	Corneilius
11	Cetearyl Alcohol	Cetearyl Alcohol	Co-emulsifier	8	Surfachem
12	Unimer U-15	PVP/Eicosene Copolymer	Film-forming	1	Induchem Via ProTec Ingredia
13	Triethanolamine	Triethanolamine	pH adjustment	0.2	BASF

ProTec Ingredia Ltd

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Website: www.protectingredia.com

Registered in London No. 07517784 VAT No. GB 100 2120 14

Method of Manufacture

Into the main vessel add:

Water	Start the mixer on a medium speed
Butylene Glycol	Mix until dissolved
Glycerin	Mix until dissolved
Polyox WSR-301	Increase the mixer speed to fast. Mix until dissolved and no lumps remain. Reduce the mixer speed to slow
Luviskol VA64W	Mix until uniform
Euxyl PE9010	Mix until uniform

Commence heating the main vessel to 75-80C

Into a suitable premix vessel add:

Lanolin Alcohol D-AG

Mineral Oil
Ceteth-20
Carnauba Wax
Cetearyl Alcohol

Unimer U-15

Commence heating the premix vessel to 75-80C

When both vessels are at 75C-80C add the premix vessel into the main vessel.

Mix with fast mixing for 10 minutes

Reduce the mixer speed to a moderate/slow speed

Commence cooling to 60C

Into the main vessel add:

Triethanolamine	Mix until uniform
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Cool to 60C and pack into suitable containers

Product Specifications

pH	6.00-7.00
Viscosity	50-80,00cps Brookfield RVT TBar B, Speed 2.5, 1 minute
Colour	Cream
Appearance	Mobile viscous emulsion
Odour	Neutral\slightly waxy

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