

Reworkable Funky Fibre Styling Putty with Unimer U-15

This Reworkable Styling Putty is hard to the touch with a funky fibrous pick-up. The combination of our **Lanolin Alcohol D-AG**, **Unimer U-15** and mineral oil give the super smooth texture with our **Anhydrous Lanolin PC** transforming the structure, giving it reworkability and a bit of extra funk!

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Water	Aqua	Solvent	46.95	
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	
9	Polawax GP200	Emulsifying Wax	Emulsifier	7	Croda
10	Carnauba Wax	Carnauba Wax	Hardener	3	Corneilius
11	Cremaphor RH40	PEG-40 Hydrogenated Castor Oil	Emollient	4	BASF
12	Cetearyl Alcohol	Cetearyl Alcohol	Co-emulsifier	8	Surfachem
13	Unimer U-15	PVP/Eicosene Copolymer	Film-forming	1	Induchem Via ProTec Ingredia
14	Anhydrous Lanolin PC	Lanolin	Emollient	6	NK Ingredients Via ProTec Ingredia
15	Triethanolamine	Triethanolamine	pH adjustment	0.2	BASF

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
Emulsifying Wax
Carnauba Wax
PEG-40 Hydrogenated Castor Oil
Cetearyl Alcohol

Unimer U-15

Anhydrous Lanolin PC

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	N\A
Colour	Off White\Cream
Appearance	Soft solid putty
Odour	Neutral\slightly waxy

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