

Liquid Lanolin Hair Conditioner

80% of people who tried **Liquid Lanolin** Hair Conditioner preferred it to a control formula with LLS removed. It is a light formula especially suited for normal to fine hair types. The Liquid Lanolin replaces lipids removed by frequent washing.

	Trade Name	INCI Name	Function	%W/W	Supplier
1	Purified Water	Aqua	Solvent	90.95	
2	Versene™ NA2	Disodium EDTA	Chelating Agent	0.05	Dow Chemical
3	Purac® HS 88	Lactic Acid	pH adjuster	0.4	Purac
4	Dehyquart® A-CA	Cetrimonium Chloride	Cationic Conditioner	1	BASF
5	Incroquat™ Behenyl TMS-50	Cetearyl Alcohol, Behentrimonium Methosulfate	Cationic Conditioner	1.5	BASF
6	Lexamine® S-13	Stearamidopropyl Dimethylamine	Conditioning	1	Inolex Chemical Company
7	Lanette® 16	Cetyl Alcohol	Conditioning	4	Micro Powders
8	Liquid Lanolin Standard	Lanolin Oil	Conditioning	0.5	NK Ingredients Via ProTec Ingredia
9	Glydant™ LTD	DMDM Hydantoin	Preservative	0.4	Lonza
10	Perfume Compound AR 309020 CPL	Parfum	Fragrance	0.2	CPL Aromas

ProTec Ingredia Ltd.

Unit 10, Delta Court, Manor Way, Borehamwood, Hertfordshire, WD6 1FJ, UK

Website: www.protectingredia.com

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

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Method of Manufacture

Into the main vessel add:

Purified Water	Start the mixer on a moderate fast speed
Disodium EDTA	Mix until dissolved
Purac® HS 88	Turn the mixer speed down to a moderate slow speed
Dehyquart® A-CA	Mix until dispersed
	Commence heating the main vessel to 75-80C

Into the premix vessel add

Incroquat™ Behenyl TMS-50	
Lexamine® S-13	
Lanette® 16	
Liquid Lanolin Standard	Commence heating the premix vessel to 75-80C

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

Mix for 5 minutes at moderate fast speed

After 5 minutes reduce the mixer speed to a slow speed

Commence cooling to 23C

When the bulk is 40C or below, into the main vessel add:

Glydant™ LTD	Mix until dispersed
Perfume	Mix until dispersed

Continue to cool to 23C then check the product specifications

Product Specifications

pH	3.5 -5.0
Viscosity	10000-20,00CPS (LVT Spindle 4, Speed 10, 30 seconds)
Colour	White
Appearance	Mobile viscous liquid
Odour	Floral

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