

Chesham Speciality Ingredients Fibre Glue Gel

Formula# ICM04002

	Ingredient	INCI Name	%w/w	Function
1	Purified Water	Aqua	78.1	Solvent
2	HydreCel VA64	VP/VA Copolymer	10	Styling resin
3	Emulsionante ELH40 FD	PEG-40 Hydrogenated Castor Oil	5	Texturising and solvency
4	HydreCel 11-N	Polyquaternium-11	1.5	Film forming, texturising
5	Aculyn 28	Acrylates/Beheneth-25 Methacrylate Copolymer	3.5	Rheology modifier
6	Opulyn OP303B	Styrene/Acrylamide Copolymer	0.2	Opacifier
7	Neolone PE	Methylisothiazolinone (and) Phenoxyethanol	0.6	Preservative
8	PEG-90M	PEG-90M	0.1	Rheology modifier
9.	Sodium Hydroxide (30%)	Sodium Hydroxide	0.5	Neutraliser

Method of Manufacture

- A. Into the main vessel add 25% of 1. Set the stirrer on a high speed and slowly add 2, avoiding clumping. Stir until uniform
- B. In a separate vessel add 20% of 1. Set the stirrer on a high speed and slowly add 8, avoiding clumping. Stir until uniform
- C. Add B into A with moderate stirring
- D. Add 9 into the main vessel and stir slowly until a clear gel has formed
- E. Into a third vessel, add 3 and heat to 40C until melted and uniform. Add this to the main batch and stir until uniform
- F. Add 6 and stir until uniform
- G. Add 7 and stir until uniform
- H. Check product specifications

Product Specification

Appearance	Thick opaque gel
Colour	White
pH	7.0 – 7.6
Viscosity	30,000 – 40,000cps (LVT TBAR C Speed 20)