

Title (en)

AQUEOUS SOLUTION OF SYNTHETIC FIBER TREATMENT AGENT, AND METHOD FOR MANUFACTURING SYNTHETIC FIBERS

Title (de)

WÄSSRIGE LÖSUNG EINES KUNSTFASERBEHANDLUNGSMITTELS UND VERFAHREN ZUR HERSTELLUNG VON KUNSTFASERN

Title (fr)

LIQUIDE AQUEUX D'AGENT DE TRAITEMENT POUR FIBRES SYNTHÉTIQUES, ET PROCÉDÉ DE FABRICATION DE FIBRES SYNTHÉTIQUES

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Application

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Abstract (en)

The present invention addresses the problem of providing an aqueous solution of a synthetic fiber treatment agent that has excellent ingredient retention properties on fibers and that has excellent low-temperature handling properties. The present invention is an aqueous solution of a synthetic fiber treatment agent comprising a smoothing agent, a nonionic surfactant and an ionic surfactant, and is characterized by: the smoothing agent comprising a specific ester A1 and optionally a specific ester A2; the smoothing agent containing a ratio of 40-100 mass% of the ester A1; the ester A1 making up a ratio of 50-100 mass% when the total content ratio of the ester A1 and the ester A2 is 100 mass%; and the viscosity of the synthetic fiber treatment agent at 30°C being $40-150\text{mm}^2/\text{s}$.

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