

Dilution of FineCell's Cellulose Hydrogel

FineCell's Cellulose Hydrogel is a thick and thixotropic suspension of cellulose microfibers in water. FineCell's Cellulose Hydrogel is usually delivered with a solid content of 1-2.5%. For skincare applications, the recommended solid content of the cellulose microfibers in the final formulation is 0.1-1%. It is also recommended to dilute the cellulose hydrogel to the desired concentration early in the formulating process, by taking the total amount of water in the final formulation into consideration. The dilution is preferably done by using a high-shear mixer (e.g. Ultra Turrax 15000 RPM, 5 min), but more gentle mixing techniques may also be used, provided that a longer mixing time is allowed.