

ABSTRACTS

METHOD FOR PREPARING HIGH ABSORBENT HYDROCOLLOID

The present invention relates to a method for preparing a hydrocolloid which may be applied to skin, particularly, wounds. The present invention comprises a first step of preparing a pre-polymer having a viscosity of 200 cps ~ 10,000 cps by mixing an acryl monomer and an ultraviolet initiator and irradiating on the mixture with ultraviolet rays; a second step of preparing a complex by mixing at least an ultraviolet initiator and a high water absorbing substance with the resulting pre-polymer; and a third step of polymerizing the complex with irradiating ultraviolet rays. The thus prepared hydrocolloid of the present invention has an excellent absorbency as well as self-adhesiveness, is not remained as any residue upon removing it from the skin (wound) and has less skin irritation, without employing any tackifier.

[Figure 1]