

〈速報〉

皮膚に対する各種界面活性剤の影響

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“Effect of Some Surfactants on the Skin”

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There have been many reports on the effects of surfactants on the skin, however, problems have not been fully elucidated, probably because of the variety of surfactants and their reaction mechanisms.

Basic tests on the surfactants were performed such as “the adsorption to the skin,” “denaturation of protein” and “the dissolution of N.M.F. from the skin.” The correlation between these results and clinical conditions such as “primary irritation” and “rough skin of the hand” were observed. However, a clinical condition cannot be explained by a single basic test result, but all should be seen as a synthetic whole.

$$S_n = \sum_{i=1}^n f_i X_i$$

S_n: clinical evaluation

X_i: data of respective factor

f_i: coefficient of respective factor