

(シンポジウム：化粧品とは)

## 皮表脂質の物理化学と化粧品

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### Physical Chemistry of Skin Surface Lipids and Cosmetics

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#### Abstract

Recent advances in the physicochemical aspects of skin surface lipids and behavior of emollients on human skin are reviewed herein.

- 1) The origin and composition of skin surface lipids was briefly described. Characteristics of skin surface lipids in chemical structure were discussed herein with special reference to their physicochemical properties.
- 2) In this chapter, physicochemical data on skin surface lipids from the literature were summarized. These data include viscosity, surface tension, water permeability and adsorption by callous keratin, etc.
- 3) Scientific data on the behavior of emollients on human skin were shown as follows; occlusivity, spreadability and removal ratio for skin surface lipids, etc.
- 4) The behavior of emollients were proved to be closely related to their physicochemical properties. Furthermore, the similarity of emollients to skin surface lipids were discussed from the viewpoint of physical chemistry.