

〈シンポジウム〉

(化粧品の安全性・環境のリスクアセスメントの現状と課題)

## 環境リスクアセスメントの基本的な考え方と 化粧品分野における取組み

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### Fundamental View of Environmental Risk Assessment and Basic Approach to Cosmetics

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#### Abstract

In recent years, the effect of chemical substances on human health and the environment has become a major concern. Many of cosmetics ultimately discharge into the water environment. Therefore, it is critically important to evaluate their potential environmental effects. In these evaluations, biodegradation of microorganisms is the most important, because biodegradation has been and continued to contribute greatly to the degradation of materials. Biodegradation is one of the most significant factors in considering the persistence of materials in the environment. Moreover, various aquatic organism tests must be carried out for the evaluation of evaluating to the ecological effects of materials. These tests are set up in consideration of the food chain, because the chain cycle consists of energy production to consumption in an ecosystem. From the viewpoint of product liability, human and environmental risk assessments of cosmetics must be carried out, and cosmetics should be harmless to the environment and to humans.

**Key words:** environment, biodegradation, aquatic organism, product liability, risk assessment.