Floraesters® K-20W Jojoba Reduced Skin Barrier Disruption Caused by Bar Soap

Objective:
Evaluate Floraesters K-20W Jojoba to reduce the skin barrier disruption caused by bar soap.

Method:
Transepidermal water loss (TEWL) measurements using a Tewameter were taken at baseline and 30 minutes after repeated bar soap use (10 applications).

Results:
The bar soap containing 0.5% Floraesters K-20W Jojoba decreased skin barrier disruption by 56% compared to the vehicle.

Floratech Ingredient: Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL_16-074) was conducted on a panel of 19 male and female subjects, ranging from 21 to 56 years of age (mean age = 37). The duration of the study was 4 days (including the 3 day washout) with 10 applications (i.e. wet, 10 strokes of soap, 60 second wash by hand, rinse, and pat dry) of each test article made to either forearm. The study was double-blind, randomized, and carried out under controlled temperature and humidity conditions. The Tewameter TM 300 is a product of Courage+Khazaka (Köln, Germany). The test article with Floraesters K-20W Jojoba resulted in a statistically significant (p<0.001) reduction in barrier dysfunction as compared to the vehicle, 30 minutes post test article application. (Clinical Study 17-074 - Phase I report available upon request.)