Objective:
Evaluate Floraesters K-20W Jojoba for its potential to reduce skin barrier disruption (TEWL) caused by dish soap.

Method:
TEWL measurements using a Tewameter were taken at baseline and 30 minutes after soaking (i.e., sixty 30-second immersions) the hands in a 10% dish soap solution.

Results:
The dish soap containing 0.5% Floraesters K-20W Jojoba decreased skin barrier disruption by 63% compared to the vehicle dish soap.

Floratech Ingredient: Floraesters K-20W Jojoba

The clinical study of Floratech® test formulation (CTL_17-074 - Phase III) was conducted on a panel of 19 male and female subjects, ranging from 24 to 60 years of age (mean age = 43). The duration of the study was 4 days (including the 3 day washout) with a cumulative hand soaking time of 30 minutes (sixty 30-second soaks) in a 10% solution of dish soap. 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 statistically significantly (p<0.001) less skin barrier disruption from baseline, as compared to the vehicle dish soap, 30 minutes post test article exposure. (Clinical Study 17-074 - Phase III report available upon request.)