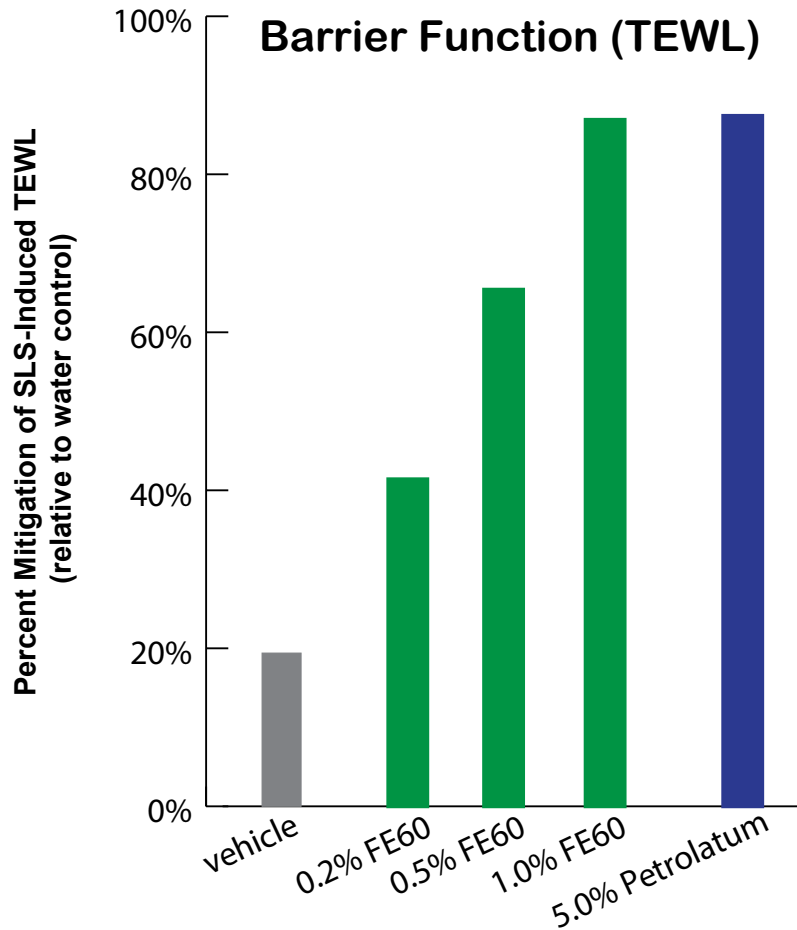


Floraesters 60 Mitigates Skin Barrier Disruption



1% Floraesters 60 performed statistically significantly ($p < 0.01$) better than the vehicle, and equivalent to 5% petrolatum.



TEWL (transepidermal water loss) was determined using a Tewameter TM300 on normal, water-treated forearm skin (see image above). The forearms were then treated with one application of various test articles, followed by exposure to a 0.3% solution (%w/w) of SLS (sodium lauryl sulfate) approximately 12 hours under occlusion using 19mm Hill Top Chambers®. TEWL measurements were again made 30 minutes following chamber removal and percent increases from baseline (untreated skin) were determined. Percent improvement in SLS-induced TEWL could then be determined relative to the water control (which was also exposed to the SLS). The data are illustrated in the graph. Results from a previous, identical study showed 5% petrolatum produced results statistically equivalent to 1% Floraesters 60.

Vehicle: Water (*q.s.*), Glyceryl Stearate (and) PEG-100 Stearate (4.0%), Cetyl Alcohol (3.0%), Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (0.8%), Xanthan Gum (0.2%), and Disodium EDTA (0.03%)

Floratech Ingredients: Floraesters 60

The clinical study of Floratech® test formulation (CTL_10-033) was conducted on a panel of 15 healthy men and women ranging from 25 to 54 years of age with normal volar forearms. The duration of the study was 2 days with 1 application of the test article and TEWL measurements taken under controlled temperature and humidity conditions. This study was double-blind and randomized. Hill Top Chamber is a registered trademark of Hill Top Research, Inc. (Cincinnati, OH). The reference image seen above is for illustration only and was not taken during the actual study. Tewameter is a product of Courage+Khazaka. (Clinical Study 10-033 Phase 1 - 2 report available upon request.)