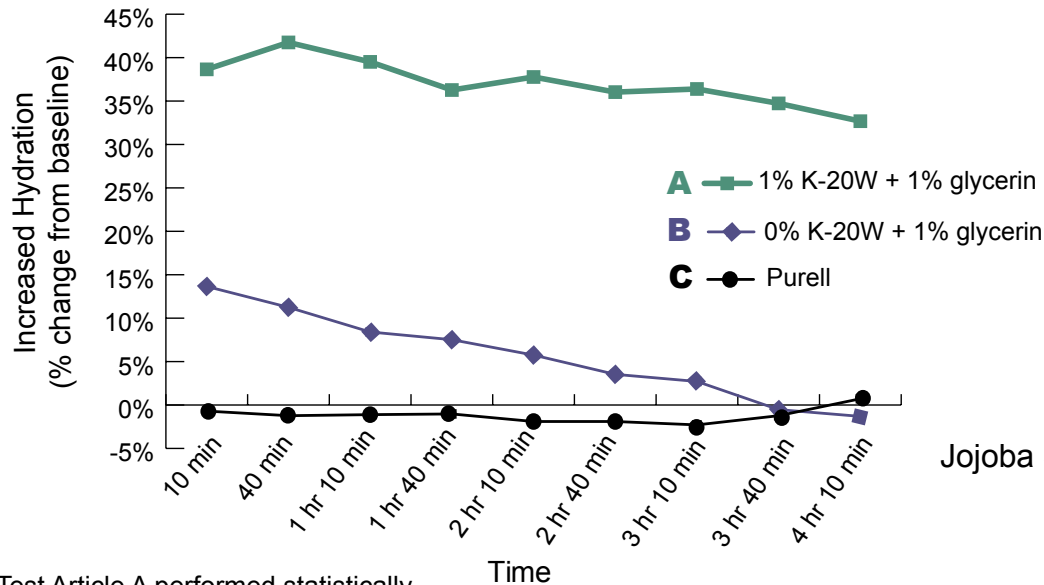


Floraesters K-20W Increases Skin Hydration When Included in a Hand Sanitizer with Glycerin

Skin hydration was determined by measuring capacitance with a Corneometer® CM825. The data from the study are illustrated in the graph below. Ten minutes following application of the test articles, the sites treated with the test article containing 1% K-20W increased skin hydration 39% while the marketed product, Purell® Instant Hand Sanitizer, did not increase skin hydration ($p < 0.05$). All formulations contained 62% ethanol.

Skin Hydration (Corneometer)



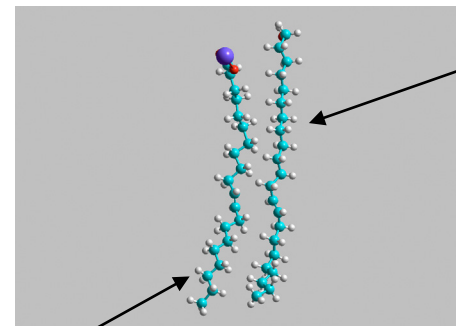
Test Article A performed statistically significantly ($p < 0.05$) better than Test Articles B and C.

Floratech Ingredients: Floraesters K-20W Jojoba

Theoretical Mechanism of Action:

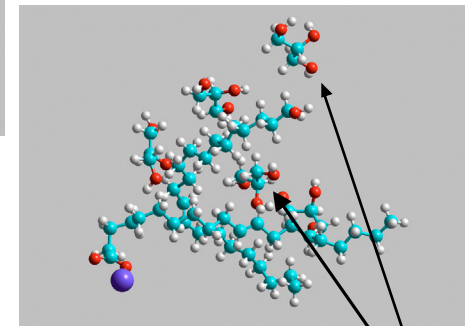
At room temperature, the alcohols and salts of the fatty acids of hydrolyzed jojoba esters generally orient themselves in an ordered geometry; however, when glycerin is added to the system the hydrolyzed jojoba esters break free of the highly ordered geometry, thereby trapping glycerin. Accordingly, when hydrolyzed jojoba esters form a film on the skin, glycerin molecules are incorporated within this film, thereby increasing the bio-available hydration potential of glycerin.

Hydrolyzed Jojoba Esters Molecules



Jojoba Alcohol

Hydrolyzed Jojoba Esters + Glycerin Molecules



Jojoba Salt

- - Potassium
- - Carbon
- - Oxygen
- - Hydrogen

Glycerin

The clinical study trial of Floratech® test formulation (CTL_09-020) was conducted on a panel of 9 healthy women ranging from 33 to 60 years of age with dry lower legs. The duration of the study was 4 hours with 5 consecutive applications of the test article at least 1 minute apart and no more than 5 minutes apart under controlled temperature and humidity conditions. Purell is a registered trademark of Johnson and Johnson Consumer Companies Inc. and Corneometer is a registered trademark of Courage+Khazaka. The molecular analysis was performed using Hyperchem r.8 (Hypercube, Inc., Gainesville, FL). (Clinical Study Trial 09-020 report available upon request.)