Small, controlled, clinical studies were carried out to explore the benefits associated with incorporating jojoba esters or hydrolyzed jojoba esters into personal care formulas. The first study compared Floraesters® 20 and Floraesters 60 (INCI: jojoba esters), at 2%, to marketed petrolatum alternatives, at 5%, in simple lotion formulas. After one application, the lotion formulas that contained jojoba esters produced more skin hydration than those that contained any of the marketed petrolatum alternatives, and produced results that were similar to petrolatum at 10%. In a second study, the lotion formula containing Floraesters 20 was compared to one of the marketed petrolatum alternative ingredients in a consumer preference study and the formula with jojoba esters prevailed in regards to perceived skin moisture, suppleness, smoothness/softness, greasiness, residue, and stickiness. In the third and fourth studies, Floraesters K-20W Jojoba (INCI: hydrolyzed jojoba esters and water (aqua) and Floraesters K-100 Jojoba (INCI: hydrolyzed jojoba esters and jojoba esters and water (aqua)) were incorporated into non-woven wipes. The wipes that contained hydrolyzed jojoba esters were then compared to marketed hydro-alcoholic and non-alcohol based non-woven wipe solutions in conjunction with glycerin (1%), when added to hydro-alcoholic or non-alcoholic based nonwoven wipe solutions containing the vehicle and all other petrolatum alternatives at all time points.

CONCLUSIONS

- Jojoba esters and hydrolyzed jojoba esters produce beneficial effects when formulated into different types of products.
- Floraesters 20 and 60 can increase skin hydration when added to a lotion formula.
- Floraesters 20 and 60 outperformed three other petrolatum alternatives, Zenolatum, Velagelatum, and Shea Butter, in increasing skin hydration.
- Floraesters 20 and 60 produced similar results with regard to increasing skin hydration when compared to 10% petrolatum.
- Floraesters 20 was preferred over Velagelatum in a consumer preference study.
- Floraesters K-20W and K-100 Jojoba increased skin hydration when incorporated, in combination with glycerin, into hydro-alcoholic non-woven wipes and non-alcoholic non-woven wipes.

Non-Alcohol Based Nonwoven Wipes - Increased Skin Hydration
Functionality with Jojoba-Derived Ingredients

Increased Skin Hydration and Consumer Preference with Floraesters

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