



Conditioning Marketability
 Microbiome friendly
 Gentle moisturizing
 Nourishing Protect

BACKGROUND

Hygiene and personal care are important factors regardless of age. The beauty industry provides products targeting specific age groups to fit the needs of various skin ages and types. Baby personal care is increasing in popularity throughout the cosmetic and beauty industry. Babies have soft, delicate skin which can be very sensitive to a variety of ingredients resulting in discomfort, rashes, redness and irritation. Consumers gravitate towards ingredients, for their children, that exemplify paraben-free, hypoallergenic, and ethical or environmentally friendly claims. As consumer awareness rises, parents are increasingly selective of the ingredients going onto their skin and the skin of their children.

Parents seek products offering soothing and conditioning benefits that also work to protect their child's skin. Natural products are known to provide safe and gentle comfort for a parent's peace of mind. For bath time, bedtime, and every moment in between a baby's skin requires consistent attention. With its delicate nature, a child's skin is more susceptible to drying out and losing natural moisture than an adult. Baby personal care products provide benefits comparable to adult beauty products but maintain a stronger focus on soothing and gentle care.

Formulator Sample Shop provides ingredients for use in baby personal care products offering moisturizing, nourishing, and conditioning properties. For dry, flaky, oily, or irritated skin, soothing products offer care and relief to keep a baby's skin soft and supple.

Code Number: Varies

INCI Name: See Specifications

INCI Status: See Specifications

REACH Status: Compliant

CAS Number: See Specifications

EINECS Number: See Specifications

Origin: Varies

Processing:

GMO Free

No Irradiation

No Sulphonation

Additives:

Preservatives: None

Antioxidants: None

Other additives: None

Solvents Used: N/A

Appearance: Varies

Soluble/ Miscible: Varies

Microbial Count:

< 100 opg, No Pathogens

Baby Care Actives

FSS Foaming Soy PF

Product Code: FSS20610PF

INCI Name: Sodium Cocoyl Hydrolyzed Soy Protein

Suggested Use Level: 1.0–10.0%

- ✓ Conditioning
- ✓ Mild Foaming
- ✓ Enhance and Stabilize Foam

Soy protein is on the rise as consumers are constantly searching for organic products, this demand has forced various companies to be more “green” and provide organic versions of many conventional products. Soy protein is no doubt good for our health, but what benefits does it have to the skin? Proteins and their derivatives are basic ingredients that have a long history of use for conditioning and film forming benefits in skin and hair care products. Hydrolyzed proteins have a lower molecular weight therefore improve solubility and compatibility with the skin and hair, and therefore are very efficacious in products. **FSS Foaming Soy PF** is developed by hydrolyzing soy protein to a low molecular weight to potentiate its benefits and increase solubility. This hydrolyzed soy protein is then reacted with fatty acid condensate moieties to enhance and stabilize its foaming qualities. These protein-fatty acid condensates have an anionic charge similar to that of the skin and hair so they rinse away easily without leaving behind stickiness or a film. **FSS Foaming Soy PF** is gentle enough for use in baby products as well as skin and hair care products to provide gentle cleansing. **FSS Foaming Soy PF** provides efficient yet mild cleansing properties while generating a rich natural lather.

FSS Yogurt Hydrolysate SF

Product Code: FSS20531

INCI Name: Hydrolysed Yogurt Protein

Suggested Use Level: 1.0–10.0%

- ✓ Intense Moisturization
- ✓ Topical Probiotic
- ✓ Conditioning

Hydration is important. Our skin won't look beautifully flawless and healthy if it's dry and irritated. Routine moisturization is key. Traditional ingredients such as yogurt can provide the best solution. Today, yogurt is recognized as a potent probiotic capable of delivering a variety of health benefits, but we weren't the first to recognize these benefits. Ancient cultures that first made cosmetics may not have understood how actives such as yogurt improved the skin, but they certainly used them. It has been said that Cleopatra used to bathe in milk so her skin would be smooth and soft. The traditional art of fermenting milk into yogurt as a means of preservation is thought to have occurred around 2,000 BCE. Since then yogurt has become a dietary staple in many Asian and Middle Eastern and European cultures. **FSS Yogurt Hydrolysate SF** contains essential yogurt proteins in a hydrolyzed form. Hydrolyzing the proteins is understood to enhance both the functional and nutritional properties of the proteins. In addition to using this product in skin and hair care applications for nutritive benefits, **FSS Yogurt Hydrolysate SF** can be used as a conditioner to counteract the drying effects that some formulations such as anti-bacterial products and body washes have on our skin.

In-vivo Efficacy: Moisturization Assay

FSS Coconut Milk PF

Product Code: FSS10615PF

INCI Name: Butylene Glycol & Water & Cocos Nucifera (Coconut) Fruit Extract

Suggested Use Level: 1.0–10.0%

- ✓ Conditioning
- ✓ Tropical
- ✓ Consumer Appeal

Coconut milk has been used in the tropics for centuries as a health and beauty aid. Notorious for its benefits, this natural, anti-wrinkle, problem-skin alleviator leaves the skin feeling and looking incredibly healthy. Coconut milk works from the inside out to hydrate the skin. **FSS Coconut Milk PF** can be incorporated in to cosmetic and personal care applications to provide conditioning benefits with recognized market appeal.

Baby Care Actives

FSS Colloidal Oat PF

Product Code: FSS10116PF

INCI Name: Colloidal Oatmeal

Suggested Use Level: 1.0–10.0%

- ✓ Skin Conditioning
- ✓ Soothing
- ✓ Protection

The manufacturer has developed **FSS Colloidal Oat PF** through adding finely ground oats to water, creating an aqueous solution that can be added to a variety of cosmetic products. **FSS Colloidal Oat PF** serves to protect from exposure to environmental elements, while promoting the luxury of having silky, smooth skin. **FSS Colloidal Oat PF** serves as a versatile base for cleansers, lotions and skin relief products where high activity is required to nourish and soothe. **FSS Colloidal Oat PF** is allergen-free and highly recommended for sensitive skin.

In-vivo Efficacy: Skin Conditioning Assay

FSS Yogurt Dermal Respiratory Factor PF

Product Code: FSS20224PF

INCI Name: Lactobacillus Ferment Lysate Filtrate

Suggested Use Level: 2.0–5.0%

- ✓ Anti-inflammatory
- ✓ Soothing
- ✓ Antioxidant

Yogurt contains powerful probiotics that can improve the texture and health of the skin! The manufacturer developed **FSS Yogurt Dermal Respiratory Factor PF**, which is intended to increase cellular respiration, cellular metabolism and collagen production. **FSS Yogurt Dermal Respiratory Factor PF** is produced by prompting live *Lactobacillus bulgaricus* cells to secrete stress response elements by striking the *Lactobacillus* cells with specific wavelengths of UV radiation. Using biofermentation and various filtration techniques, the secretion is then isolated and extracted from the live bacteria cell to deliver various anti-aging benefits and provides anti-irritant properties.

In-vivo Efficacy: Anti-irritation Assay

In-vitro Efficacy: Oxygen Uptake, ORAC, IL-6 ELISA, Fibroblast Migration Assay, Collagen Production Assay, ATP Synthesis Assay