
introducing
Iselux® Ultra Mild
the clear solution for luxury foam
Microbiome-friendly certified
innospec

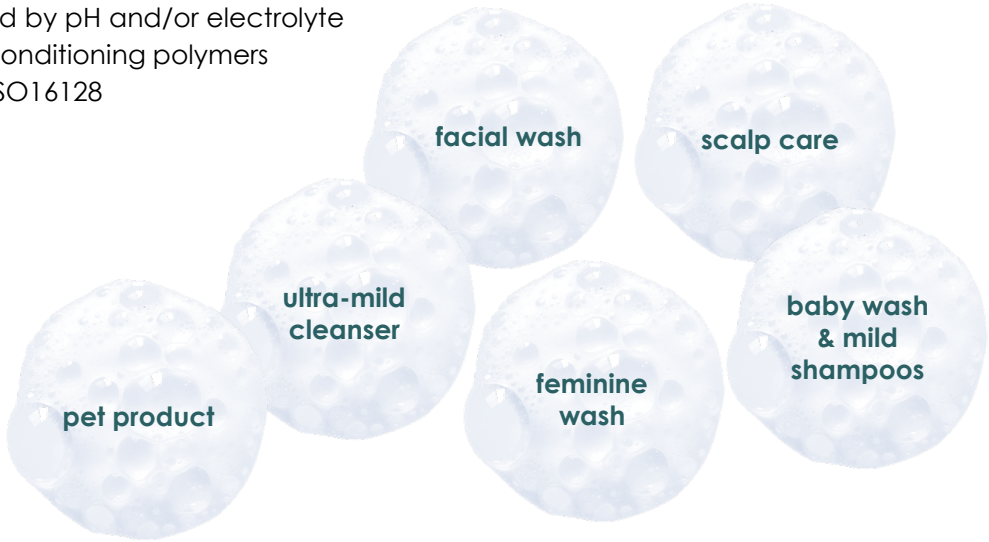
introducing our ultra mild surfactant

Iselux® Ultra Mild

INCI: Sodium Lauroyl Methyl Isethionate (and) Cocamidopropyl Betaine (and) Sodium Methyl Oleoyl Taurate (and) Lauroyl Glucoside (and) Coco-Glucoside

Iselux® Ultra Mild is a concentrated surfactant blend developed for use in cleanser applications where a gentle formulation is desired.

- microbiome-friendly certified
- formulations can be viscosity adjusted by pH and/or electrolyte
- compatible with standard cationic conditioning polymers
- 81% naturally derived according to ISO16128
- mass balance version available
- unique proprietary technology
- **1,4-dioxane free***



sustainable & mild

- sulfate-free
- readily biodegradable
- no-tears and no eye irritation
- mild on the skin
- naturally derived ingredients

luxurious

- high-foaming ultra-mild blend

easy to use

- only requires the addition of water for dilution, fragrance, conditioning polymers (if desired), electrolytes, and preservative to develop a stable finished formulation

Iselux® Ultra Mild typical properties

appearance @ 25°C	clear and brilliant liquid
pH (as is)	6.0 – 7.0

* 1,4-Dioxane: Below limit of detection of 1 ppm

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the Microbiome & Iselux® Ultra Mild

What is the skin Microbiome?

- Your skin is your largest organ. And it's teeming with trillions of microorganisms, like bacteria, fungi, and viruses. These invisible life-forms are known as the skin microbiome. They're an important part of your overall health.

- It's part of a physical layer that protects you from the outside world. It works with other parts of your skin to:
    1. Fight infection;
    2. Help your immune system work;
    3. Heal wounds and control inflammation.

Scalp Microbiome

- A healthy scalp is the basis for beautiful hair. While the fight against dandruff has thus far mainly focused on combating excessive fungal colonization, current studies show that an intact scalp microbiome and a balanced microbial upkeep are essential for scalp health. This is important for healthy hair growth. The basic requirement for a bacteria-friendly environment is the correct ratio of sebum, moisture content and degree of evaporation, as well as the pH value of the scalp.

- Innospec has worked with My Microbiome to study the impact of our mild, superior surfactant **Iselux® Ultra Mild** on the Scalp Microbiome.

Skin Microbiome-friendly ingredients do not harm the beneficial bacteria of the skin and respect skin's microbial balance and cultural diversity.

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the Microbiome & Iselux® Ultra Mild

Testing

Quality Test	This step ensures the greatest possible microbiological purity of the scalp product. The product is analyzed for contamination i.e. bacteria, yeasts or molds.
Balance Test	The balance between S. epidermidis (the most common skin bacterium) and the harmful effects of the S. aureus bacterium should not be disturbed by the product. A co-culture is mixed with the product and the ratio of the two microbes is tested. The balance must not tip in favor of *S. aureus*.
Diversity Test	A culture of scalp microbes is created. The co-cultures are exposed to the product according to a standardized method. The change in diversity is tested. The diversity found in the scalp microbiome must be preserved.
Vitality Test	The growth of individual key organisms should not be influenced by the product. The key organisms are brought into direct and indirect contact with the product and their growth is observed.

Iselux® Ultra Mild - Test results

- We tested Iselux® Ultra Mild on Scalp Microbiome at an activity level of 10%, a typical usage level in Shampoos.
- We received an overall pass according to the My Microbiome Standard 19.20 Scalp.
- **Iselux® Ultra Mild has been certified Microbiome-friendly.**

The inclusion of the "microbiome-friendly" ingredient Iselux® Ultra Mild in a formulation does not automatically confer "microbiome-friendly" status to the final product, as other ingredients can influence the microbiome. Further microbiome testing of the finished formulation will determine if it is microbiome-friendly.

MICROBIOME.info FRIENDLY

https://microbiome-friendly.com/

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