



acnibio[®]

Preservation systems

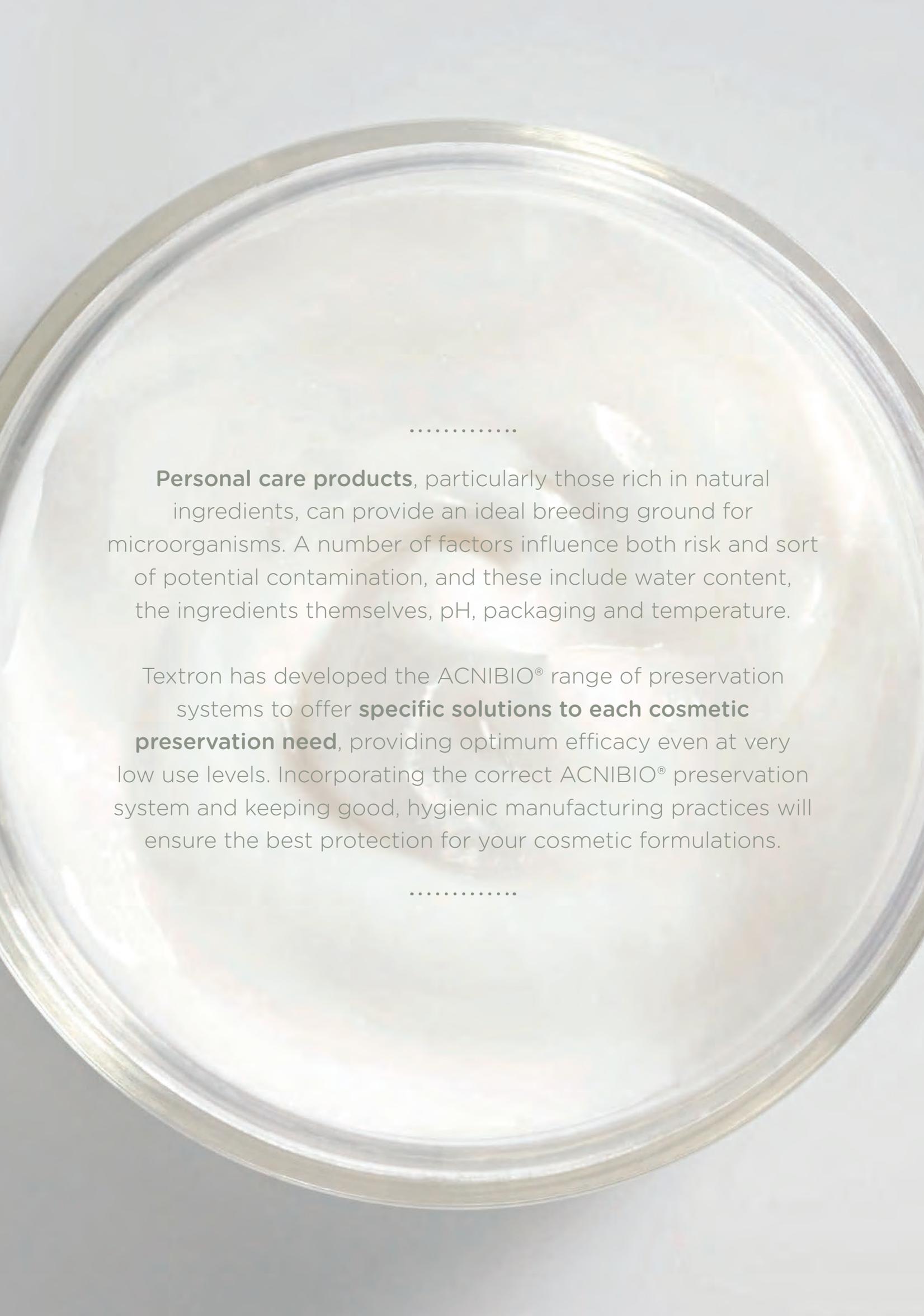


TEXTRON

Textron offers
the solution for each
preservation need.



Preservation system
during entire shelf life
of your product.



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Personal care products, particularly those rich in natural ingredients, can provide an ideal breeding ground for microorganisms. A number of factors influence both risk and sort of potential contamination, and these include water content, the ingredients themselves, pH, packaging and temperature.

Textron has developed the ACNIBIO® range of preservation systems to offer **specific solutions to each cosmetic preservation need**, providing optimum efficacy even at very low use levels. Incorporating the correct ACNIBIO® preservation system and keeping good, hygienic manufacturing practices will ensure the best protection for your cosmetic formulations.

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A close-up photograph of a young woman with light skin and blue eyes, smiling warmly. She has a white towel wrapped around her head like a headband. Her right hand is gently touching her cheek. The background is softly blurred, showing a white towel and a blue object, possibly a bottle of product. The overall mood is clean, fresh, and positive.

Reliable and cost-effective
synergistic combinations with
broad spectrum activity.



*Advantages of
Acnibio® Preservation Systems*

ACNIBIO® biodegradable preservation systems provide optimum protection for your product and the environment. Due to their **low toxicity and biodegradability**, they decompose into non-toxic, simple molecules.

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ACNIBIO® preservation system fight microbial proliferation by using **synergistic combinations of active microbicides**.

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ACNIBIO® preservation system allow formulators to choose from **a wide range of solutions** to microbiological problems.

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ACNIBIO® preservation system can provide **a specific preservation solution for each cosmetic application**.

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ACNIBIO® preservation system can be **effective across the entire pH range** found in cosmetics.

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ACNIBIO® preservation system show **a broad spectrum activity**, even at very low concentrations, due to the carefully selected combinations of active ingredients.

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ACNIBIO® preservation system low use levels result in **low formulation costs**.

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ACNIBIO® preservation system are **easily incorporated** into cosmetic formulations.

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ACNIBIO® preservation system do not interfere with fragrances or product appearance of your product, offering preservation options **compatible with other ingredients**, including surfactants.



The importance of microbiological safety

During shelf life of a cosmetic product, from manufacturing to eventual use, it will face many microbial challenges that might destroy it.

The different ingredients in direct contact with a cosmetic formulation - water, package, industrial equipment, hygiene during manufacturing from production to packaging, and storage conditions - are all potential sources of microbial contamination.

Reducing or eliminating probability of microbial growth is essential throughout the entire manufacturing process. The role of a cosmetic preservative is not disinfection of industrial facilities or finished products obtained under unhygienic conditions or with contaminated raw materials.

If a product is manufactured and packed in hygienic conditions, using suitably protected ingredients, the correct preservation system will perform its prime function: protecting consumers from dangers derived from microbial growth in their personal care products.

A properly packed product is free from risk of contamination, from the moment the finished product is sealed, until the final user opens it for the first time. From then on, you can rely upon your ACNIBIO® preservation system to provide optimum protection from microbial degradation, from the first to the very last application.

Acnibio® preservation systems and the environment

The high activity and low persistence of ACNIBIO® preservation systems allow the cosmetic formulator to create **a product in harmony with the environment.**

The impact on the environment is minimized through:

- **Low use levels**
- **No bioaccumulation**
- **Rapid degradation without of organo-chlorines**
- **No impact on the performance of the water treatment plants**

Toxicity

ACNIBIO® preservation system allow protection of sensitive cosmetic formulations without any risk of carcinogenicity, teratogenicity and mutagenicity. All the ingredients used in ACNIBIO® preservation systems are recognized by Cosmetics Europe, by the Personal Care Products Council and other international cosmetics authorities.

Further information

Additional technical information is available to our customers upon request. Material Safety Data Sheets are available. Textron advises reading all safety documents prior to using an ACNIBIO® preservation system.

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