

CLEVERTEX[®]



**Wearable Skincare
Textile Products**

CleverTex® wearable skincare - textile products with skincare qualities

motto:

"The skin represents the largest body organ, therefore, especially in case of dermatology sensitive baby patients the skin care including proper selection of the clothing is highly worthy of attention."

Specially designed CleverTex® textiles and clothing with skincare properties = entirely different type of clothing, where **everything is focused on maximum comfort.**

Exclusively purely natural materials are applied, any chemical treatment, dyeing or other finishing not friendly to very sensitive skin not only of infants and children suffering from skin troubles are strictly eliminated.

As a result we can offer very soft, pleasant and functional textile products containing "oceanic skin care complex Chitosan", showing natural antibacterial activity preventing propagation of bacteria Staphylococcus aureus and others that might occur on the skin and cause skin irritation.

Most important features & main advantages of CleverTex® wearable skincare textile products

- well-balanced material composition, i.e. TENCEL™ MicroModal in combination with special cellulose fibres Crabyon®
- antiseptic effect and skin protection against undue bacteria growth (esp. Staphylococcus aureus)
- support of healing process of damaged and irritated skin thanks to silk-like smoothness not irritating the skin
- keeping the right skin moisture content (preventing the skin from drying out) which helps to minimize itchiness
- special clothing design without irritating elements to prevent scratching

CleverTex® wearable skincare products are subject matter of the Czech utility models owned by VUB Ústí nad Orlicí, Technical University Liberec and Charles University under the registration No. 2021-38645 and No. 2021-38689.

Integrated gloves of body suits for infants and toddlers are made of double fabric layer and therefore scratching by nails is highly reduced. However, it is possible to release the hands which fact is important especially during plays before sleeping. The opening is closed by means of two snap fasteners (press buttons) made of the allergen-free material preventing hands from self-release.

Baby hat is designed esp. with respect to kids suffering from atopic eczema troubles. Double layer of very soft and comfortable knit fabric does not contain either textile tags or coarse seams.

All products meet the requirements of present valid legislation regarding medical harmlessness of the products, including the regulations for infants.

Material characteristics

cellulose TENCEL™ MicroModal

Micromodal fibres represent a special type of modal viscose with impressive resistance to shrinkage and pilling.

Thanks to this the textiles made of Micromodal are highly appreciated for incredible smoothness and silky softness and cotton-like breathability.

Micromodal is very breathable material able to manage moisture, so it can help with temperature regulation and odour control.

Textile material containing Micromodal fibres requires lower than 40°C washing temperature and gentle tumble drying.

cellulose Crabyon®

Cellulose Crabyon® is based on viscose integrated with "oceanic skin care complex Chitosan", naturally antibacterial particles positively influencing the healing process of disordered skin and providing high level of comfort, anallergicity and high humidity absorption.

Chitosan is a product derived from chitin, a compound of natural origin obtained from the shells of crab and shellfish. Chitin is an absolutely safe material, with a scientifically proven biocompatibility. Furthermore, chitin is used in medicine, health care and pharmacology.

How to care for these products properly?

- Recommended washing up to 40°C without any fabric conditioners or softeners.
- Do not use washing powders with bleaching agents and/or optical whiteners!
- Do not use any aggressive chemicals!
- Please, choose rather natural washing powders and/or gels recommended directly for patients or children with dermatitis.
- Natural (air) drying or tumble drying (gentle programs) recommended. The products can be ironed with 100°C. You can use even higher temperatures, but then the suit can get slightly yellow.

Available assortment:

- baby hat
- body suit, gloves integrated
- body suit with semi- closed sleeve
- overall
- overall with semi- closed sleeve
- slippers
- long sleeve T-shirt
- semi-closed sleeve T-shirt
- leggings
- socks
- bed sheet



CLEVERTEX®
SPECIAL, PROTECTIVE AND FUNCTIONAL TEXTILES



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