INNOVATION OF COSMETOTEXTILES HITS THE EU MARKET

Cosmetotextiles is the technology of combining cosmetics, textiles and microencapsulation. The mechanism is based on the release of a cosmetic substance from a microcapsule to the human body. Cosmetotextiles represents a significant innovation for the beauty and fashion industries that are looking for growth in the field of intelligent textiles.

Examples of cosmetotextiles products are as below:

- Slimming preparations: pantyhose, underwear, trousers.
- Moisturizing preparations: pantyhose, underwear, T-shirts.
- Refreshing preparations: houselinens (bedsheets).

THE SAFETY MEASURES FOR COSMETOTEXTILES

Since last year, cosmetotextile products have been appearing on the European Market. A technical report, PD CEN/TR 15917:2009 was then established to enhance the product safety of this technology. The cosmetic product used in a cosmetotextile should comply with the existing European Cosmetics Directive 76/768/EEC.
RISK IN RELATION TO THE COSMETOTEXTILE

The cosmetic product of a cosmetotextile usually consists of a complex composition of different ingredients; therefore, a toxicological profile is necessary for each ingredient. An overall toxicological evaluation for the cosmetic product is developed on the basis of these profiles and according to PD CEN/TR 15917:2009, a safety evaluation of a cosmetic product comprises the following steps:

- A hazard identification for all ingredients
- A dose response assessment
- An exposure assessment

THE CLAIMED EFFECT FOR COSMETOTEXTILES

It is important to note that a cosmetotextile should be marketed with a product label to provide the necessary information to the consumer. The European Cosmetics Directive 76/768/EEC requires proof of the effects claimed for cosmetic products and the manufacturers should ensure that the labeling and advertising of cosmetic products; text, names, trade marks, pictures and figurative or other signs are correct when placing the products on the market. In addition, the use of cosmetic claims is subject to restriction according to advertising laws and other national or international legislation.

Throughout our global network, SGS offers consultation and comprehensive testing services covering the full spectrum of international product safety and regulatory standard for a wide range of consumer products. To know more about our services, please visit our website.