

Celanese
 ACETATE
MicroSafe[®]
 Advancing the Comfort of Life



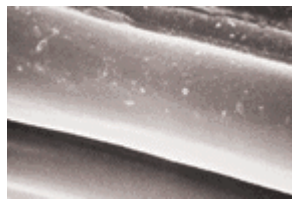
End Use: High Performance Activewear, Linings, Specialty Padding Covers, Workout Wear, Sports Support Wraps & Protective Pads, High Performance Underwear, Gloves, Socks, Shoes, Boot Liners, Slippers, Headbands & Sweatbands.



What is MicroSafe[®]?

It's an acetate fiber with antimicrobial protection incorporated within the fiber. Acetate fiber is a manufactured cellulosic fiber made from wood pulp - a natural, renewable resource - and acetic acid. The antimicrobial ingredient is scientifically proven to inhibit the growth of a broad range of bacteria, mold, mildew and fungi in products.

Photograph of MicroSafe



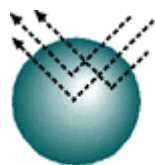
fiber(magnification, 5000x) The Antimicrobial additive resides within the interstices of the acetate fiber.

The beauty of MicroSafe fiber is that you can blend it with other fibers to create a wide range of fabric types to fit many applications. And because MicroSafe fiber is acetate, it brings the natural-like qualities of acetate to the fabric blend - a luxurious, soft hand, breathability and comfort. Best of all, the antimicrobial protection in MicroSafe fibers is non-toxic and

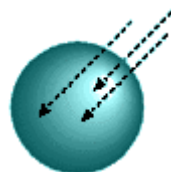
engineered to last the life of the product, even through repeated washings.

How does MicroSafe[®] Work?

Not a finish or topical treatment, the antimicrobial protection is embedded within each MicroSafe acetate fiber. This built-in protection penetrates the cell wall of bacteria and other thin-celled microorganisms, preventing them from functioning, developing and reproducing. It also helps control odors caused by the bacterial breakdown of perspiration.



Thick-walled animal cell



Thin-walled bacteria cell can

resists penetration. be easily penetrated..

Tested and Proven Effective

All activewear and footwear products that feature MicroSafe brand fibers are tested by an independent laboratory to ensure that the antimicrobial protection inhibits the growth of bacteria and fungi. Only those products which demonstrate antimicrobial efficacy qualify for the MicroSafe name.

For More Comfort and Freshness

- **Breathable--** fibers so the fabric "breathes" offering cooler comfort.
- **Moisture transport--**because MicroSafe fibers are hydrophilic, they help pull moisture away from the body so that the garment feels drier and more comfortable.
- **Continuous protection--**the built-in antimicrobial protection in MicroSafe fiber is engineered to last the life of the product.
- **Long-lasting freshness--**even in activewear that's damp with perspiration, the antibacterial protection in MicroSafe fibers contributes to a more hygienic product so it stays fresher longer.

Note: The antimicrobial ingredient is for the protection of the product only and does not protect users against bacteria and fungi. Wash and care for products following manufacturer's instructions.

For more information about MicroSafe®:

- For [Questions and Sales information](#) send an e-mail to Rae Stark, or call 803-325-6729.
- For [Marketing information](#) send an e-mail to Ellen Sweeney, or call 212-251-8050.

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