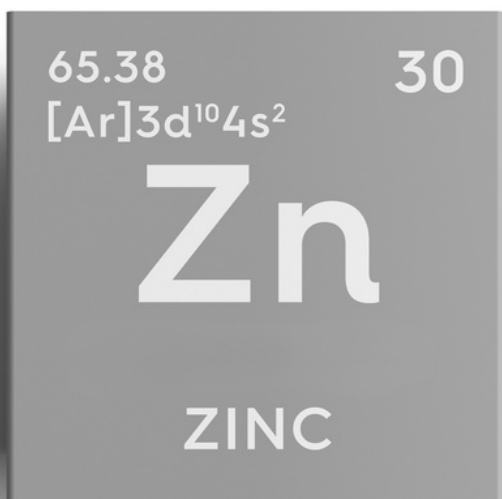


Acteev[®]

MED

Antimicrobial Technology

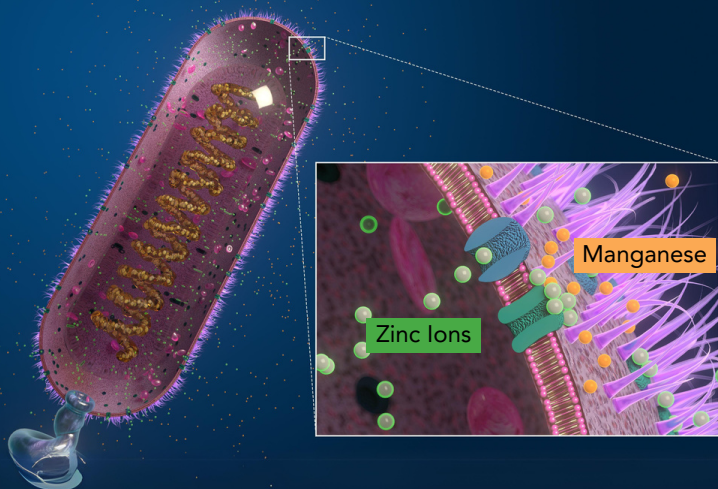


A natural antimicrobial to protect the product we trust to keep us safe.

- Acteev's active ingredient zinc is labeled GRAS, or Generally Regarded as Safe, by the U.S. Food and Drug Administration.
- Zinc has proven therapeutic benefits and is used in everything from baby skin cream to breakfast cereal.
- Zinc is known to nourish and sooth the skin.
- Acteev's material has been dermatologically tested and shown to be non-irritating.

The science behind Acteev

- Bacteria are living creatures — and they need nutrients to survive. When bacteria contacts Acteev, the active zinc ions block their ability to process essential nutrients. Without these nutrients, the bacteria "starve" and are unable to survive.
- Independent laboratories have tested Acteev technology against common bacterial and fungal strains. Testing conducted on Acteev Protect fabric made with 70 denier/68 filament yarn and filaments.



Microbe	Test Method
Staphylococcus aureus	ISO 20743
Klebsiella pneumoniae	ISO 20743
Escherichia coli	ASTM E3160
Candida auris	ASTM E3160
Candida albicans	ASTM E3160
Aspergillus brasiliensis Penicillium funiculosum Chaetomium globosum Trichoderma virens Aureobasidium pullulans	ASTM G21

Backed by Science

All of our claims are tested and verified by independent laboratories

Human Repeat Insult Patch Test

Results

Demographic	61 subjects, >83% Female	100% of subjects scored 0, which is negative or no reaction according to the international Contact Dermatitis Research Group scoring scale.
Fitzpatrick Skin Type Assessment	5% - Burns easily 46% - Burns a little 49% - Burns moderately	
Wear Time	24hr exposures, 3 times a week for 4 consecutive weeks	

Safe and comfortable for everyday use

Material A, B and knitted fabric with 8% spandex (Material C) were utilized in a Human Repeat Insult Patch Test to evaluate irritation to the skin.

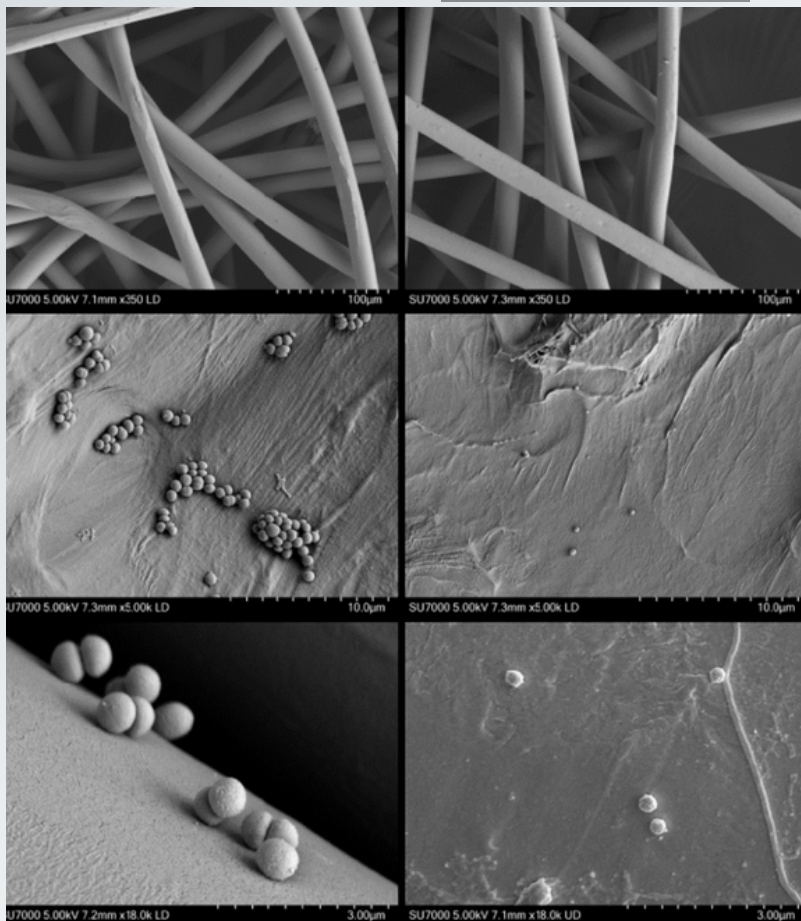
Under the conditions of this study, there was no indication of potential to elicit dermal irritation or sensitization (contact allergy) noted

Biofilm prevention

Acteev prevents the formation of biofilm by controlling the bio burden and reducing the bacteria adherence to the surface.

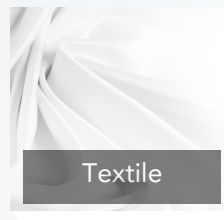
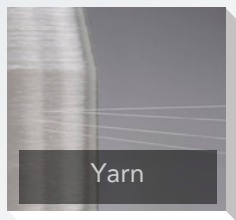
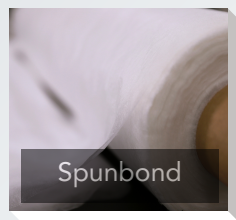
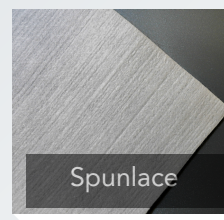
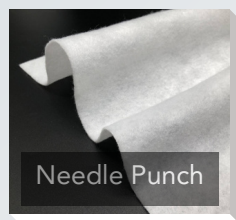
Control Spunbond

Acteev Spunbond



Versatile Form Factors

Through our position in the value chain, we can provide a variety of form factors for your needs.



*Acteev's antimicrobial technology is embedded to protect the products. The product does not protect users or others against disease-causing bacteria, viruses, germs or other organisms. This document is for discussion purposes only. Consumer-facing literature and claims need to follow the appropriate regulatory and legal validation and review process.

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