



A Product of Chemtex Laboratories  
Concord, NC

## Technical Bulletin

Bac-Shield is intended as a treatment to give antimicrobial and antifungal activity to treated materials and surfaces. Bac-Shield inhibits the growth of non-health related organisms such as bacteria, mold, mildew and fungi that cause odor, stains, discoloration, decay and deterioration of the treated materials.

BacShield is cationic in nature and mixing with anionic solutions should be avoided as precipitation of chitosan could occur.

BacShield is used in the finishing process of manufacturing textiles. It is generally applied during or after the dyeing process, at a rate of 0.1- 4.0% owg ("on weight of goods") or, relative to the dry weight of the textiles. BacShield can be applied in dye machines, padded, flooded nip, sprayed, foamed, or saturated by other means. Textile materials should be saturated in a BacShield solution for good penetration of fibers. After application, textile materials should be dried at a temperature of 150-338 degrees F, dependent upon the fiber content of the textile material.

BacShield may also be used on both porous and non-porous surfaces. Areas to be treated with BacShield should be thoroughly cleaned to remove dirt, mold, mildew, fungi, or other organic matter. BacShield in a diluted solution, may be used as a cleaner to remove odor-causing bacteria, mold, mildew, and other organic matter from surfaces prior to subsequent treatment to inhibit prevent bacterial and fungal growth on those surfaces.

BacShield may be applied by to surfaces by hand sprayer, garden sprayer, airless/compression sprayer, cold-fogger, brush, roller, cloth, or immersion.

For further information or specific questions regarding the use of BacShield, please call Chemtex Laboratories @ 800-532-5361 or visit our website at [www.bacshield.com](http://www.bacshield.com).