

## SILVADUR<sup>™</sup> Antimicrobial: Fast Facts

- + SILVADUR uses a patented polymer technology to deliver silver ions via an “intelligent control” mechanism. When organisms land on the surface of treated fabrics, the free silver ions interact with them, resulting in effective odor control. As the initial silver ions are consumed by this interaction, more silver ions are released and the process continues.
- + SILVADUR is offered in an easy-to-apply liquid formulation and can be used in multiple processing methods, including pad and exhaust applications.
- + SILVADUR Antimicrobials are particle free and readily water-dilutable, forming phase stable and solids-free finishing bath solutions for easy and rapid processing of fabric when used appropriately. The product is completely soluble in textile treatment baths, but forms an insoluble interpenetrating polymer network with silver ions when applied to a fabric.
- + When applied to fabric surfaces and textile products, SILVADUR does not impact their feel or aesthetic properties.
- + SILVADUR can be used to treat fabrics or the fibers that are used to make woven and non-woven products such as apparel, bedding, footwear, wall and floor coverings, carpets, draperies, wiping cloths, brushes, filters, insulation, tents, awnings and tarps.
- + SILVADUR offers light- and heat-stable antimicrobial performance and durable protection for more than 50 washings for a wide range of apparel and textile products.
- + SILVADUR can be readily formulated into water-based textile finishes, as it is water soluble, reusable and recyclable, providing cost-saving co-application opportunities.
- + SILVADUR is effective on both natural and synthetic fibers, and is compatible with a broad range of common textile additives, detergents and other finishing treatments.
- + SILVADUR’s polymeric nature, low-dosage profile and formulation composition make it a viable alternative to existing saline quat-based technologies for retailers and brand owners selecting antimicrobial-finishing treatments and/or treated articles.
- + Extensive independent testing shows that SILVADUR, when used appropriately, does not discolor white fabrics.
- + Extensive independent testing shows that SILVADUR does not affect the moisture management properties of SILVADUR-treated goods.
- + SILVADUR is recognized and listed as an Active Chemical Product (with biological activity) by the International Oeko-Tex<sup>®</sup> Association as a formulation that has been assessed to be harmless to human health, provided it is used as indicated and designated.
- + SILVADUR is registered with the U.S. Environmental Protection Agency (EPA), and the active ingredient is notified and supported under the EU Biocidal Products Registry (BPR).
- + SILVADUR technology is registered to meet REACH requirements in the European Union.

[www.silvadur.com](http://www.silvadur.com) | [www.dowmicrobialcontrol.com](http://www.dowmicrobialcontrol.com)

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