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Harima Announces Its First-Ever “Silver Nanoparticle Antibacterial Agent”

HARIMA CHEMICALS GROUP, INC.

Harima announces its first-ever silver nanoparticle antibacterial agent. Using our long-honed silver nanoparticle technologies, we developed a product with high versatility that can be employed in a variety of application areas for industrial and consumer goods.

With outstanding antibacterial and antifungal properties, silver has been widely used with healthcare and sanitation products. Harima’s HARITECT combines these features with nanoparticle technologies that allow for excellent adhesion to the coated surface and a long-lasting antibacterial effect.

■ Product Features

- Superior efficacy compared to conventional antibacterial products, that can last as long as 6 months, without any loss in performance
- Superior apprehending characteristics that inhibit formation of biofilm and mold by 50%
- High resistance to weather and friction enabling great adhesion to the surface and continuous effect, even when wiping agents are used on the same surface for cleaning purposes
- Possibility to use with a variety of solvents

■ Core Applications

- As an agent in sprays with antibacterial and anti-mold properties
- As a coating agent to be used on a host of surfaces, for antibacterial and anti-mold effects
- As an agent to inhibit formation of mold on such items as air-conditioner filters, or the rubber seal of windows

■ Harima's Silver Nanoparticle Technology Outline

Harima has conventionally utilized silver nanoparticle technologies with electronic materials applications. Our silver nano pastes have been successfully employed with the wiring of solar batteries, as well as to join together the various electronic parts of smartphones.

Based on the know-how and experience we've accumulated over the years, we are now stepping into a new territory, opening new possibilities for our silver nanoparticle technologies to be put to good use in various products and applications along the health and sanitation spectrum.

■ Reference Data:



Our new product, HARITECT

Contact

Public Relations, Harima Chemicals Group, Inc.

URL: <https://www.harima.co.jp/en/inquiry.php>