

BIOX Aqua Ag

Cationic Silver Ion Slurry for water-borne formulations

Overview

Biox Aqua Ag is a Silver ion slurry, a cutting-edge product known for its remarkable antimicrobial properties. Comprising tiny particles of silver ions suspended in a liquid medium, this slurry can inhibit the growth of bacteria, fungi, and certain viruses. The silver ions in the slurry work by penetrating microbial cell walls, disrupting vital cellular processes, ultimately leading to these microorganisms' death. This makes silver ion slurry an ideal additive in products like coatings, textiles, and medical devices, where controlling microbial growth is crucial.

The antimicrobial action of silver ions has been recognized for centuries, but their incorporation into a slurry form enhances their applicability and effectiveness. This form allows for easy application and integration into various materials and surfaces. Moreover, the controlled release of silver ions from the slurry ensures long-term antimicrobial protection, reducing the frequency of reapplication.

Product Benefits

Broad-Spectrum Antimicrobial Action: Silver ions are effective against a wide range of microorganisms, including bacteria, fungi, and certain viruses.

Long-Lasting Protection: The slurry enables a controlled release of silver ions, providing prolonged antimicrobial action.

Enhanced Product Durability: Products treated with silver ion slurry often exhibit increased durability, as the antimicrobial action helps prevent the degradation caused by microbial growth.

Versatility in Application: Silver ion slurry can be integrated into a wide range of materials, including plastics, textiles, coatings, and ceramics.

Resistance to High Temperatures: Silver ion slurry maintains its antimicrobial properties even under high temperatures, making it suitable for industries that involve heat-intensive processes.

Ease of Application: The slurry form facilitates easy application and incorporation into different materials, without significantly altering the physical properties of the base material.

Specifications

Appearance:	Clear Solution
pH:	7.5 - 8.5
Charge:	Cationic
Physical State	Liquid

Packaging

25 Kg Plastic Pail
 220 Kg Barrel
 1100 Kg IBC Totes

Other information

- Storage: Ensure storage in a cool, dry place and avoid incompatible substances.
- Fire Hazard: Although Biox Aqua Ag is not flammable, Use appropriate extinguishing media for surrounding materials.
- Spillages: To prevent leakage of any spills and dispose of them by local regulations.
- Disposal: Dispose of the contents/container in compliance with local, regional, national, and international rules.
- MSDS Available on request.
- Free samples available on request.
- Technical and Product support available. Call 91 97695 93030.

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