

BIOX Ageolite

Silver Zeolite Powder with Silicate structure

Overview

Biox Ageolite Silver zeolite powder is highly effective antimicrobial additive combining alumino silicate zeolites and silver ions embedded for potent microbial control.

Ageolite Zeolites are microporous minerals, encapsulated with silver ions, which are gradually released to exert antimicrobial effects. This slow release disrupts microbial cells, effectively combating a broad spectrum of bacteria and fungi. Unlike other antimicrobials, silver zeolite offers long-lasting protection, ideal for medical devices and water purification. It's safe for human contact, posing low toxicity compared to other agents. Environmentally friendly, it doesn't contribute to antibiotic resistance and minimizes silver leaching.

Silver Zeolites are widely recommended used in coatings, textiles, plastics, healthcare instruments, and food packaging to prevent spoilage. Overall, silver zeolite powder is a versatile, effective, and sustainable option for controlling microbial growth in various applications.

Product Benefits

Enhanced Antimicrobial Efficacy: The incorporation of silver zeolite powder in products provides effective antimicrobial protection against a wide range of microorganisms, including bacteria, fungi, and viruses.

Long-Term Effectiveness: Due to its slow and controlled release of silver ions, silver zeolite powder maintains its antimicrobial efficacy over a longer period compared to other antimicrobial agents.

Safety and Low Toxicity: Silver zeolite powder is known for its low toxicity, making it safe for use in products that come in contact with human skin or are used in sensitive environments, such as medical devices and food packaging.

Prevention of Odor and Stains: Products containing silver zeolite powder can prevent the growth of odor-causing bacteria and fungi, thereby reducing unpleasant smells and stains, especially in textiles and personal care items.

Preservation of Product Integrity: By inhibiting microbial growth, silver zeolite powder helps in prolonging the shelf life and preserving the quality of various products, including cosmetics, pharmaceuticals, and food items.

Specifications

Color ALPHA	< 75
Phosphorus Content	< 2%
Viscosity @ 40' C, mm ² /Sec.	40 - 100
Specific Gravity @ 20' C, g/ml	1.12 - 1.18
Water Content %	<0,1%
Pour Point (COC) Pour Point	-26 degree cel.
Appearance	Clear to Amber
Physical State	Liquid

Packaging

25 Kg Bag or Plastic Pail

Other information

- Storage: Ensure storage in a cool, dry place and avoid incompatible substances.
- Fire Hazard: Although Biox AGEOLITE 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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