

BIOX QSilc

Quaternary Silane in Iso Propyl Alcohol

Overview

Biox QSilc is a Quaternary Silane represents a significant advancement in antimicrobial treatments. Unlike traditional disinfectants based on metallic silver, copper, and zinc that lose effectiveness after application and UV degradation, Quaternary silane creates a durable, invisible coating on surfaces. This coating, once bonded, provides long-lasting protection against a wide range of microbes, including bacteria, viruses, and fungi.

The key to QSilc Quaternary silane's effectiveness lies in its unique molecular structure. It forms a microscopic layer of 'spikes' that physically pierce and destroy microbial cells upon contact. This physical mode of action prevents microbes from developing resistance, a common issue with chemical-based antimicrobials.

Moreover QSilc Quaternary silane is non-toxic and environmentally friendly. It's safe for use in various settings, including healthcare, food processing, and public spaces.

Product Benefits to the applications

Long-lasting Protection: Unlike conventional disinfectants that lose effectiveness shortly after application, quaternary silane creates a durable surface coating. This coating provides extended protection against microbes, reducing the need for frequent reapplications.

Broad-Spectrum Efficacy: It is effective against many pathogens, including bacteria, viruses, and fungi. This broad-spectrum efficacy suits diverse environments, from hospitals to food processing facilities.

Resistance Prevention: The physical mode of action of quaternary silane, involving destroying microbial cells by puncturing them, reduces the likelihood of pathogens developing resistance. This is a significant advantage over chemical antimicrobials, often contributing to resistance.

Non-Toxic and Safe: Quaternary silane is generally non-toxic, making it safe in schools, healthcare facilities, and homes. When used as directed, it doesn't pose significant health risks to humans or animals.

Environmentally Friendly: It is more environmentally friendly compared to many chemical disinfectants. Its non-toxic nature means it has less adverse impact on the environment.

Cost-Effectiveness: Although the initial cost might be higher than traditional disinfectants, its long-lasting nature means fewer applications, resulting in cost savings over time.

Surface Compatibility: Quaternary silane can be used on various surfaces without causing damage or degradation, making it versatile for different applications.

Improved Hygiene Standards: By providing continuous antimicrobial protection, it helps maintain higher hygiene standards in critical environments like hospitals, food processing plants, and public spaces.

Specifications

Appearance:	Off white to yellowish clear liquid
pH:	6-8
Active content:	12%

Packaging

25 Kg Pail
220 Kg Barrel
1100 Kg IBC Tote

Other information

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