PRODUCT TECHNICAL DATA

High-Efficiency Preservative XYTU® BZ

Product Description

BZ is a broad-spectrum preservative containing multiple antimicrobial active ingredients and combining several antimicrobial mechanisms to provide powerful preservative performance. It protects waterborne industrial products from bacteria, yeasts and molds.

Product Parameters

Item	Specification
Appearance	Off-white dispersion
Composition	Mixture of multiple active ingredients
pH at 25°C	7.0
Compatibility	Effective over pH 4-10. Incompatible with some oxidizing and reducing agents, such as persalts and sulfites. Stable and does not cause anti-chelating effects or discoloration in formulations containing free metals.

Applications and Dosage

- Synthetic polymer emulsions: 0.1%-0.3%.
- Latex paints: 0.1%-0.3%.
- Waterborne adhesives: 0.1%-0.3%.
- Pigment cakes/dispersions: 0.1%-0.25%.
- Printing inks: 0.1%-0.2%.
- Textile products: 0.1%-0.3%.
- Household products: 0.1%-0.25%.
- Fertilizer products: 0.1%-0.4%.

Method of Use and Compatibility

The preservative should be added as early as possible during production. The effective preservative dosage depends on several factors, including the susceptibility of the formula to microorganisms, the contaminating microorganism range and species, pH, temperature and the required protection period.

Packaging, Storage and Transport

- Packaging: 25 kg plastic drum and 1000 kg IBC tote.
- Shelf life: 12 months at 20°C when stored in the original container and protected from extreme temperatures.
- Transport: classified and transported as a non-hazardous material.