Xytu® MB
In-Can Preservative

Introduction

MB is a high-performance in-can preservative developed by Nanjing Xinyi Synthesis Technology Co., Ltd., particularly suitable for high-temperature, high-pH or environmentally friendly formulations. MB is suitable for waterborne products such as polymer emulsions, waterborne coatings, inks, pigment pastes, adhesives, mineral sand slurries and sealants. It effectively inhibits the growth of bacteria and fungi during product manufacture and storage.

Typical Properties

Active ingredient content	>5%
Appearance	Colorless to brown transparent liquid
pH (1% aqueous solution)	8-10
Solubility	Miscible with water and low-molecular-weight alcohols
Stability	Light-stable; temperature: <60 °C (up to 80 °C for short periods); pH range: 2-11

**Typical properties should not be regarded as product specifications.

Product Advantages

- Suitable for the preservation of aqueous solutions, readily water-soluble chemicals and formulated products.
- Commonly used under high-temperature and high-pH conditions.
- VOC-free; suitable for environmentally friendly products.
- A broad-spectrum biocide effective against bacteria, yeasts and molds.
- Good compatibility with most waterborne ingredients.

Directions for Use / Dosage

MB is effective in most waterborne products. A concentration of 0.2-0.4% usually provides effective control of microbial contamination. The specific dosage depends on factors such as the system's susceptibility to microbial degradation, the degree of microbial contamination, the microbial species, pH, temperature and the duration of protection required. Users are advised to determine the optimum use concentration through testing.

Packaging / Shelf Life

Keep tightly sealed in the original container and avoid storage at extreme temperatures. The product is prone to crystallization below 5 °C; use is not affected after the crystals melt. Shelf life: 12 months (stored at approximately 20 °C).

25 kg and 200 kg plastic drums.