

ARSET BIOCID

ANTIBACTERIAL ADDITIVE

Product Definition

BIOCID is a biocide that has a broad spectrum effect on the in-package protection of products with high risk of both bacteria and mold growth. It has a strengthened effect especially against mold.

Technical Properties

Chemical Base	1,6-dihidroksi-2,5-dioksiheksan (EDDM) ve 2-n-oktil-4-izotiyazolin-3-on (OIT)
Color, Appearance	Colorless-pale yellow liquid
pH value	3,00 – 7,00
Density (g/cm ³)	1,18 ± 0,03
Water Solubility	Completely soluble

Advantages

- Wide range of aqueous based products
- Broad spectrum biocide
- Additional antifungal properties

Area of Use

It is preferred in products such as paint, polymer emulsions, adhesives, ceramic glazes, filling materials, reservoir fluids and concrete additives containing lignosulfonate and molasses, which are highly susceptible to mold growth from water-based products.

Consumption Dosage

Normal usage rates are in the range of 0.05-0.50%, this rate may vary depending on the product to be protected and environmental conditions.

Usage

BIOCID can be added at any stage during production, but it is recommended to add it as early as possible to ensure full microbiological protection. However, care should be taken to use it in the temperature, pH and redox potential range suitable for its stability, and sudden pH and temperature changes should be avoided.

BIOCID is compatible with the formulations in the areas recommended for use above, but must be diluted or mixed with other raw materials to avoid adverse effects of the active substance.

Packing

- 30 kg plastic drum
- 250 kg drum
- 1000 kg container

Storage and Shelf Life

Store under proper ventilation conditions. Avoid high temperatures, store in a cool place away from sunlight. It should be used in a closed system. Transfer carefully, avoid spillage. Store only in its original packaging and closed. Keep away from foodstuffs. Shelf life is 1 year from the date of manufacture..

Safety Measures

Use protective clothes, gloves, glasses and mask compatible with Health and Safety regulations during the application. It should not contact skin and eyes. In case it contacts to skin and eyes, rinse it with water and if swallowed ask for medical help. Food and beverage should not be allowed in the application area. It should be stored at the reach out of the children. The Safety Data Sheet (SDS) should be read for detailed information.

Responsibility: The information given in this technical data sheet is based on the applications carried out in our field of production and latest technological developments. **YAPICHEM KİMYA SAN. A.Ş.** is only responsible for the quality of product. **YAPICHEM KİMYA SAN. A.Ş.** cannot be responsible for the results due to the wrong use of the product and/or apart from the written recommendations regarding the area of use and application method. This technical data sheet makes the prior issues void.