

Sonachi

We preserve the best

LAXTRACIDE BIT

TECHNICAL INFORMATION

Description

It is a low toxic wide spectrum biocide specially developed for complete microbial protection of water based products against microbial spoilage.

Composition

A formulation of 1,2-BENZISOTHIAZOLIN-3-ONE(BIT)

CAS NO.

CIT-2634-33-5

Biological Properties

Laxtracide BIT is completely effective in preventing growth of micro-organisms responsible for wet state degradation. Such degradation can take the form of viscosity loss, malodour, gassing and unwanted breakdown of the products. However Laxtracide BIT has a wide spectrum activity against following organisms.

BACTERIA

Achromobacter Sp
Aeromonas Sp
Alcaligenes Sp
Bacillus Sp
Escherichia Sp
Flavobacterium Sp
Klebsiella Sp
Proteus Sp
Pseudomonas Sp

FUNGI

Aspergillus niger
Candida Sp
Cephalosporium Sp
Cladosporium Sp
Fusarium Sp
Paecilomyces Sp
Penicillium Sp
Rhodotorula Sp
Streptomyces Sp

Target Industries

Paper & Pulp, Dyes and Pigments, Water Treatment, Ceramic and Clay, Emulsion Polymerization, Metal Treatment, Cold Storage, Adhesives, Paints and Printing Inks & Metal Working Fluids.

Typical Properties

Colour & Appearance	Yellow to Brown liquid
BIT	19.0-21%
Density	1.120-1.160 m/cm ³
Solubility in water	Soluble
Refractive Index	1.4690 – 1.4890

Dosage

The dosage of Laxtracide BIT is recommended @ 0.001 to 0.5 % of the final product depending on the type and susceptibility of the finished product and the raw material used.

The Sonachi Microbiological Laboratory will be ready to assist in the optimization of the dosages required for the products. This facility is most useful where formulation has greater microbiological susceptibility.

Method of Use

Laxtracide BIT can be added either manually or by automatic metering device, at any stage of the production process but since protection is required throughout, it is recommended to use at early stage.

Compatibility

Laxtracide BIT is compatible with most of the raw materials used in the microbiological susceptible products. It causes no discoloration and may be used in formaldehyde sensitive systems.

Availability

Laxtracide BIT is readily available ex-stock at all time in 30/50/200 kgs HDPE carboys.

Storage

It is also recommended that product should be stored in original Sonachi sealed containers at ambient temperature and protect from direct exposure of sunlight. It is also recommended that product should be used within 6 months of delivery.

Handling

Since material is classified as irritant may produce some burning skin. It is recommended that normal protective clothing, gloves and face protection should be worn during handling the product.

Toxicology

Information available upon request

Acute Oral LD50Rat 1020 mg/kg
Acute Dermal LD50Rat >2000 mg/kg

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NEW GENERATION BIOCIDES AND PRESERVATIVES

The above data is provided for information only. It is correct to the best of our knowledge, information and belief at the date of its publication