

LAXTRACIDE PB 2102

PAPER PRESERVATIVE

TECHNICAL INFORMATION

Description

Water dispersible, phenol free biocide which gives excellent protection against fungal and bacterial growth.

Composition

2-thiocyanomethylthiobenzothiozole

CAS NO.

21564-17-01

Biological Properties

Laxtracide PB 2102 is completely effective in preventing growth of micro-organisms responsible for wet state degradation in sugar, water treatment and other applications. It is an excellent preservative against most of the microbial degradation. However, Laxtracide PB 2102 has a wide spectrum activity against following organisms.

BACTERIA

Alternaria alternata
Aureobassidium pullalans
Lentinus tigrims
Trichoderma Viride
Aeromonas Sp
Alcaligenes Sp
Bacillus Sp
Escherichia Sp
Flavobacterium Sp
Klebsiella Sp
Proteus Sp
Pseudomonas Sp
Proteus mirabilis

FUNGI

Aspergillus niger
Cephalosporium fragrans
Ceratocystis pilifera
Aspergillus Sp
Candida Sp
Cephalosporium Sp
Cladosporium Sp
Fusarium Sp
Paecilomyces Sp
Penicillium Sp
Rhodotorula Sp
Streptomyces Sp
Torula utilis

Target Industries

Paper & Pulp, Water Treatment, Veterinary, Cold Storage, Ceramic and Clay, Adhesives, Prawn and Fish Culture, Emulsion Polymerization, Construction.

Typical Properties

Colour & Appearance	Amber Coloured Liquid
Odour	Mild
pH	4.0 - 7.0
Solubility in water	Dispersible
Active	30%

Dosage

The dosage of Laxtracide PB 2102 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 PB 2102 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 PB 2102 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 PB 2102 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

Laxtracide PB 2102 has following toxicological properties.

Acute Oral LD50Rat 4448 mg/kg
Acute Dermal LD50Rat >2000 mg/kg

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