

Description

It is a low toxic wide spectrum biocide specially developed for complete microbial protection of water treatment, sugar and other applications.

Composition

A formulation of Potassium Dimethyl Dithio Carbamates

CAS NO.

1278 - 03 - 0

Biological Properties

Laxtracide PDC 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 PDC 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, Sugar Prawn and Fish Culture, Sanitation.

Typical Properties

Colour & Appearance	Pale yellow coloured liquid
Odour	Characteristic
pH	8.0 - 10.0
Specific Gravity at 27 +/-2 C	1.160 - 1.190
Active	40 +/- 2

Dosage

The dosage of Laxtracide PDC is recommended @ 0.001 to 0.3 % 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 PDC 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 PDC 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 PDC 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 PDC has following toxicological properties.

Acute Oral LD50Rat 350 mg/kg

SONACHI GROUP

A-38, Raj Industrial Complex, 2nd. Floor, Military Road,
Andheri (East), Mumbai – 400 059.
Tel : 91-22-6929981 / 6929982 / 8454259.
Mobile No. 98211 60065
Fax : 6939981 /8454259
E-mail :sonachi@tatanova.com

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