

NEW FROM BIOVATION

Chlorine Dioxide Gas Release Sachet

Organic Fiber and Bale Mold Protection



CONVENIENT
SMALL. ALL SEALED
CONSTRUCTED SEAMS.

CHLORINE DIOXIDE
AUTOMATICALLY
RELEASED UPON
CONTACT WITH AIR

ANTI-MICROBIAL
ANTI-MOLD

CONTAINS ANTI-
MICROBIAL AGENT
WHICH EFFECTIVELY
REDUCES, HINDERS AND
INHIBITS THE GROWTH
OF MOLD ON THE
ORGANIC FIBERS.

SAFE

IT IS HANDY AND SAFE
FOR PERSONNEL TO USE.
USE WITH APPROPRIATE
INSTRUCTIONS.

COST EFFECTIVE
NEED ONLY SEVERAL
SACHETS DEPENDENT ON
SIZE OF BALE AND/OR
EQUIVALENT STORAGE.
FIBERS/BALES NEED TO
BE IN A CLOSED
ENVIRONMENT.

BIOARMOUR™ CDS-8 CHLORINE DIOXIDE GAS RELEASE SACHET

- BioArmour™: A new approach to mold control in organic fiber.
- Application of ground breaking mold control work conducted over the course of a decade.
- Cost-effective and high-performance.
- Long lasting and durable.
- Very effective.

In damp weather (rain, snow), the cargo must be protected from moisture, since organic fiber (such as coconut) is strongly hygroscopic and readily absorbs moisture. This may lead to staining of the bales, decay and mold growth and to rusting of steel strapping. Rusty steel strapping contaminates the coconut fiber and reduces its value.

Resistant mold can live on surfaces in many environments for days. The solution is BioArmour™ a durable, portable and cost-effective chlorine dioxide gas release sachet that mitigates mold on organic fiber as soon as the gas is automatically released when exposed to air.

BioArmour™ treated organic fibers have been rigorously tested internally and in leading customers. Typical performance data indicates 4-log reduction in bacterial populations over a 24-hour period. That's a 99.99% kill rate. Which means far fewer mold on the loose to cause fiber decay.

Chlorine dioxide gas is very effective at reducing the population counts of mold. Chlorine dioxide is well proven and very effective however it has historically been too costly for everyday use.

Break-through technology by Biovation in the formulation and product manufacturing of chlorine dioxide gas in parts per million concentration over a course of 5 days allows BioArmour™ to deliver superior protection at a realistic price. Test data conducted by an independent lab proves it.

BioArmour™ technology stops mold growth. It is safe to use, has passed stringent biocompatibility and performance testing.

BioArmour™ with the appropriate following of instructions is easy and cost-effective to use.



Benefits of Using BioArmour™ Mold Control Sachet

PERFORMANCE

99.99% MOLD
REDUCTION, NATURAL
AND PERMANENT.

CHLORINE DIOXIDE
RELEASED UPON
CONTACT WITH AIR.

“GREEN” BIOPOLYMER
CONSTRUCTION FOR
ROBUSTNESS AND
DURABILITY.

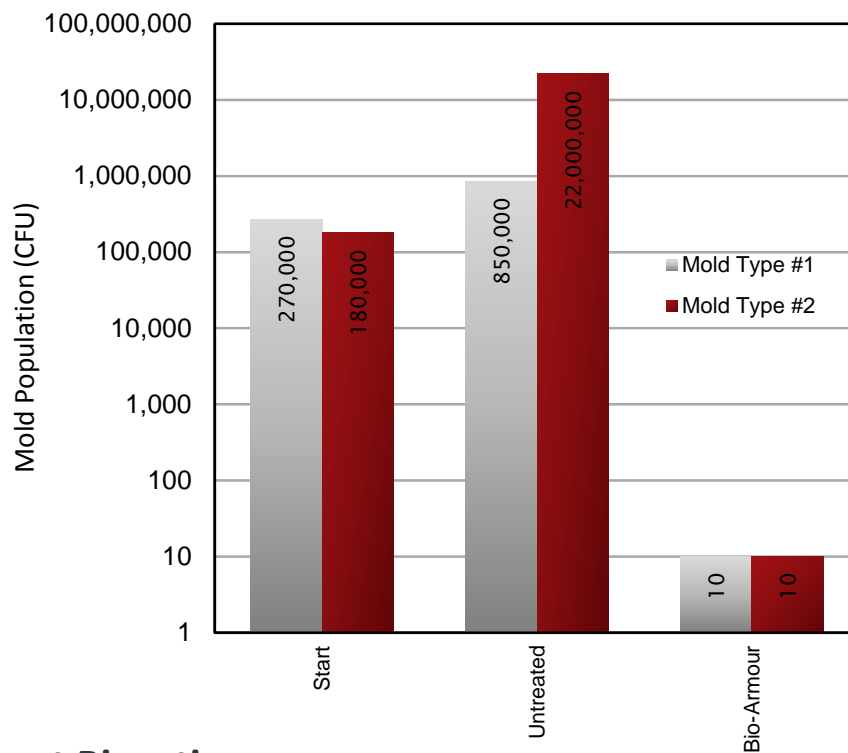
PRODUCT IS 100%
BIODEGRADABLE AND
BIOCOMPOSTABLE.

EASY TO USE
JUST OPEN UP THE
PACKAGE, EXPOSE TO
AIR AND LET THE
CHLORINE DIOXIDE GAS
PERMEATE THE FIBERS.

RESPONSIBLE
ENVIRONMENTALLY
FRIENDLY AND SAFE.

**WIDE
APPLICATION**
FOR ALL
ENVIRONMENTS IN THE
ORGANIC FIBER
MARKET.

JIS Z 2801 24-hrs Test



About Biovation

- Biovation is a leading USA innovator and supplier of advanced mold control solutions. Our proprietary mold control technologies and manufacturing processes have been in development for more than a decade and used in many customer applications. Biovation formulations are superior performing products in the emerging mold-control market due to its unique and wider spectrum of efficacy.

Our team of chemists and engineers work with a wide range of natural ingredients, including biopolymers, combination with a base of propriety chemistry formulation. Every formulation is created to meet the unique needs of our customers, optimizing fast-acting and long-lasting properties which enables are customer to meet their toughest challenges.

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