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FUNGICIDE G.M.

For Proper Industrial Use Consult Manufacturer

USDA Reg. No. 3350-1

WARNING:

Keep out of reach of children. Harmful if swallowed. May be absorbed through the skin. Wash hands with soap and water after using.

ACTIVE INGREDIENT:

2,2' — METHYLENEBIS (4 — Chlorophenol) 20.0%

INERT INGREDIENTS:

80.0%

TOTAL:

100.0%

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ARKANSAS COMPANY, INC. — Newark, N. J.

ACCEPTED WITH COMMENTS

FUNGICIDE GM

TECHNICAL SERVICE BULLETIN

MILDEW INHIBITOR

ACCEPTED

JUN 2 1967



Fungicide GM is offered for processing cotton yarns and fabrics, and also cotton blends with other cellulosic fibers, to produce a mildewproof finish.

When used alone, it is recommended only for fabrics that are not exposed to the action of rain or other wet conditions.

When water repellency is also required, the use of Aquarol AX in conjunction with Fungicide GM is recommended. These are compatible and may be used in a one-bath application to produce a combination water-repellent-mildewproof finish.

PHYSICAL CHARACTERISTICS

The active ingredient of Fungicide GM is 2,2'-methylene bis(4-chlorophenol), commonly known as G-4, which is present in a finely dispersed form for easy application to cotton fabrics.

In consistency, it is a firm gel which does not settle or stratify even on long periods of storage. It may be readily dispersed in water at 140°-150°F and requires thorough mixing to maintain a uniform dispersion.

Fungicide GM is essentially nonionic in nature and is neutral in reaction, having a pH in the range of 7.0 to 7.5.

Precaution in Handling: If the concentrated product should come in contact with the skin of a worker, it should be flushed off with water as soon as possible to avoid any possibility of skin irritation.

FORMULATION AND APPLICATION

Fungicide GM is ordinarily applied on a conventional padder or quetch. The formulation used depends on the amount of the active ingredient required by the particular specification involved, and by the wet pickup of the fabric to be processed.

(Continued)

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ARKANSAS COMPANY · INC ·

MANUFACTURERS OF *Industrial Chemicals* NEWARK, N. J. 07101

CABLE ADDRESS: ARKANCHEM

MILDEW INHIBITOR

FORMULATION AND APPLICATION (Continued)

For specifications involving the soil burial test, it is necessary to deposit 1.0% to 1.5% G-4 in the goods to meet this test. For other specifications where inoculation tests are used, 0.5% to 1.0% G-4 is usually sufficient.

In order to estimate the amount of G-4 to be deposited in the fabric, the wet pickup must be estimated prior to the processing. For example, if the wet pickup of a certain fabric to be processed is approximately 100% under the conditions of application and a soil burial test is required in the specification, it is necessary to use 7% to 8% of Fungicide GM in the bath to meet these conditions. If the wet pickup is only 60% and it is necessary to deposit at least 1% G-4 in the goods, the amount of Fungicide GM required in the bath will be approximately 10%.

Requirements for smaller amounts of G-4 may be estimated in proportion.

In preparing the application bath, Fungicide GM should be added to the water at a temperature of 140°-150°F and mixed thoroughly until a uniform dispersion is obtained.

If water repellency is also required, add the necessary amount of Aquarol AX to the bath and mix thoroughly maintaining the temperature as indicated above. In most cases, the amount of Aquarol AX required will be equal to the amount of Fungicide GM, although in some cases it may be necessary to increase the amount of Aquarol AX to meet certain water repellency requirements. For best results the fabric should be run between 130° and 140°F to permit thorough penetration of the fabric.

Note: It is recommended that a strainer be placed in the pipe line between the mixing tank and the padder or quetch, to eliminate any undispersed particles.

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