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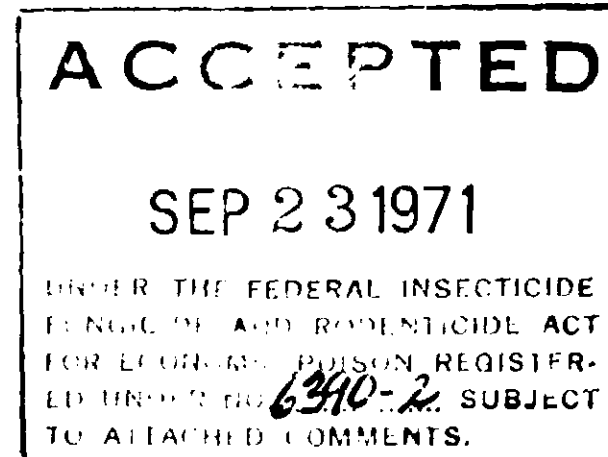
VIKOL® #250

Durable Bacteriostat and Fungistat
For The Textile Industry

Active Ingredient:

Bis (tri-n-butyltin) oxide 25%

Inert Ingredients: 75%



VIKON CHEMICAL COMPANY, INC.

Elon College, North Carolina

Directions:

Apply to leave 0.1 - 0.2% of VIKOL® #250 on the weight of the fiber by padding or exhaustion. For further details see our Technical Bulletin #802.

WARNING:

Keep Out of Reach of Children.

May Be Fatal If Swallowed. May Be Absorbed Through The Skin. Causes Skin Irritation.

Do not get on skin, in eyes or on clothing. In case of contact remove contaminated clothing and immediately wash skin with soap and water. If irritation persists get medical attention. In case of contact with eyes immediately flush with water and get medical attention. Wash contaminated clothing before reuse.

This product is toxic to fish. Do not contaminate water by cleaning of equipment, or disposal of wastes.

Do not reuse container. Destroy when empty.

USDA Reg. No. 6390-2

VIKOL CHEMICAL COMPANY, INC.

P.O. Box 277

Elon College, North Carolina 27244

Technical Bulletin No. 802

VIKOL® # 250

DURABLE BACTERIOSTATIC AND FUNGISTATIC AGENT

ACCEPTED
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VIKOL® #250 provides textile finishes with bacteriostatic and fungistatic properties, self-sanitizing in use, and resistant to removal on washing as well as by leaching with water. Textile fabrics treated with VIKOL® #250 will resist the growth of many common bacteria and fungi after repeated washings. VIKOL® #250 is based on the well known agent, bis(tri-n-butyltin) oxide, and is designed to meet various application requirements. It is self-emulsifiable in water and is designed to deposit the active agent in a manner highly resistant to removal on washing, or on leaching with rain or surface water.

VIKOL® #250 contains 25% of bis(tri-n-butyltin) oxide. It will produce a finish on cellulosic, on wool and on most synthetic fiber fabrics which survives many washings retaining the bacteriostatic effect as demonstrated against Micrococcus pyogenes var. aureus. This is as determined by inhibition of the growth of the organism by standard test procedures. VIKOL® #250 can be applied by exhaustion in a dye beck or kettle after dyeing or, if preferred, prior to dyeing. Also it can be applied by padding. It is applied at a concentration to leave 0.1 - 0.2% (0.025 - 0.050% of bis(tri-n-butyltin) oxide) of the product on the fiber on its weight. VIKOL® #250 emulsifies readily when poured into water.

VIKOL® #250 can be poured directly into the application bath with agitation. The temperature of application is important but can be that which will best

suit the balance of the process. A minimum temperature of 110°F. is desirable but higher bath temperatures appear to give better wash fastness. The best results are obtained if the treated fabric is dried at a normal textile drying temperature. This means drying in circulated air of 250°-350°F. in temperature. The time of drying should be sufficient to assure complete drying of the fabric. Some chemicals used in textile dyeing and finishing such as tannic acid can interfere with the activity of VIKOL® #250. Consult our Technical Representative for details.

WARNING:

Keep Out of the Reach of Children.

May be fatal if swallowed. May be absorbed through the skin. Causes skin irritation.

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The active agent, bis(tri-n-butyltin) oxide, of VIKOL® #250 is a primary skin irritant. Therefore care should be observed in handling this product in order to avoid irritation from it. In case of contact of VIKOL® #250 with the skin either directly or through contaminated clothing, the affected area should be washed immediately with soap and water prior to re-use. If swelling of the contaminated area is noticed, treatment for a chemical burn should be made under a physician's guidance. In the case of contact with eyes, flush with water immediately and consult a physician. Wash contaminated clothing before re-use. This product is toxic to fish. Do not contaminate water by cleaning of equipment, or disposal of wastes.

PRODUCT SPECIFICATIONS

Appearance Clear liquid
Color Light amber
Density at 85°F 0.97 gm/ml
Content of bis(tri-n-butyltin) oxide 25%

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such or in combination with other materials.

July 1971

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