

Net Contents:

Lot #

VIKOL[®] THP

Active Ingredient:

5-chloro-2-(2, 4-dichlorophenoxy) phenol 2%

Inert Ingredients:

98%

VIKON CHEMICAL COMPANY, INC.

BOX 277

ELON COLLEGE, NORTH CAROLINA 27244

**"WARNING FLAMMABLE!
KEEP AWAY FROM HEAT OR
OPEN FLAME!"**

Method of Application:

Pad to a pick-up of
0.25 - 3.0% on the
dry weight of the fiber.

See Technical Bulletin No. 825.

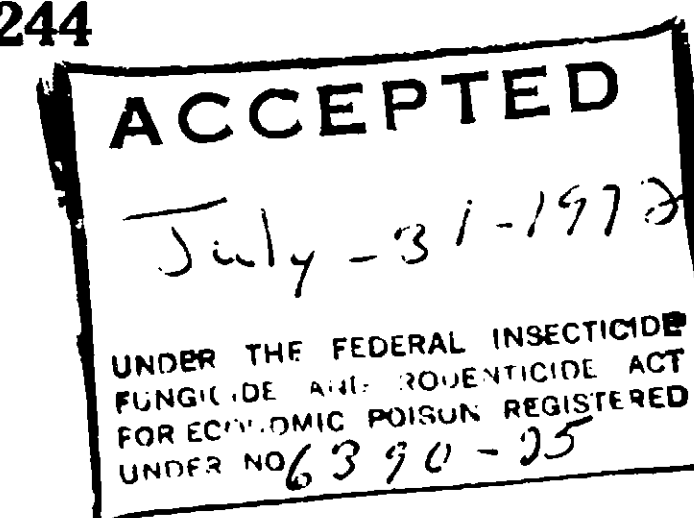
EPA Reg. No. 6390-25

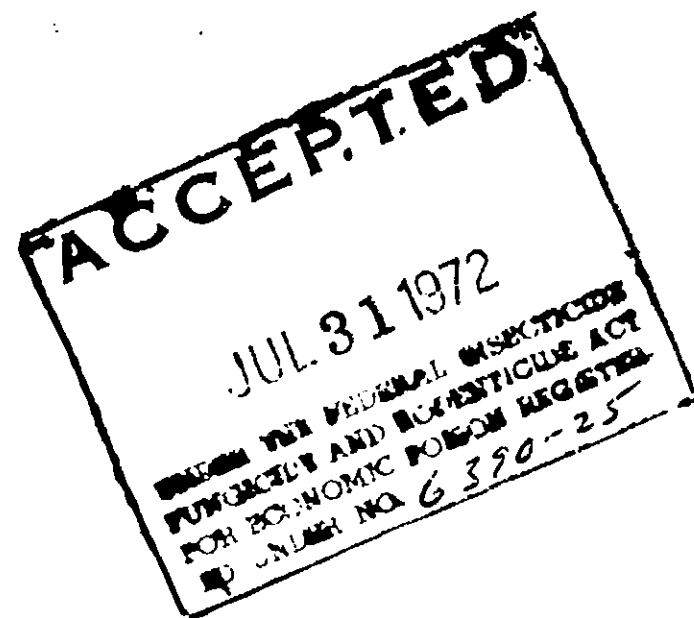
WARNING:

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Avoid contact with skin and eyes. In case of contact with eyes, flush with plenty of water and get medical attention. In case of contact with skin, wash thoroughly.

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.





Technical Bulletin No. 825

VIKOL CHEMICAL COMPANY, INC.

Box 277

Elon College, North Carolina
27244

VIKOL[®] THP

DURABLE BACTERIOSTAT FOR TEXTILES

VIKOL[®] THP is a phenolic derivative which can be applied to textiles containing thermoplastic fibers to impart highly durable resistance to the growth of bacteria. Fabrics which are either 100% nylon, polyester or acrylic fibers individually, blends with one another, or blends containing substantial amounts of one or the other of these fibers with cotton, rayon or wool treated with VIKOL[®] THP showed definite bacteriostatic activity by laboratory tests against Staphylococcus aureus, ATCC-6538, strain 209, FDA 1944.

VIKOL[®] THP in vitro shows bacteriostatic activity against a wide range of gram-positive and gram-negative organisms, with the exception of Pseudomonas aeruginosa, against which it has weak activity.

Fabrics treated with VIKOL[®] THP at concentrations to give highly durable bacteriostatic activity have shown no evidence of yellowing in a hot oven or under a hot iron.

VIKOL[®] THP is self-emulsifying in water to form stable dispersions which can be applied by padding or by exhaustion in a long bath. Knitted acrylic and 100% nylon fabrics treated with 0.75% of VIKOL[®] THP on their weight by exhaustion to a pick-up of 0.3-0.4% of VIKOL[®] THP showed strong bacteriostatic activity against Staphylococcus aureus by the Parallel Streak procedure. The activity persists after fifteen home launderings. Fifty percent polyester/cotton bed sheeting padded with VIKOL[®] THP to 0.25% pick-up on its weight shows very strong bacteriostatic activity against Staphylococcus aureus by the Parallel Streak procedure which has persisted after as many as forty home launderings.

The concentration of VIKOL[®] THP to be used depends on the durability of the treatment required. Obviously a higher concentration will be required for higher wash resistance. It is necessary that this be worked out experimentally for the particular thermoplastic fiber

containing fabric. There must be a sufficient percentage of thermoplastic fiber in the fabric to carry the active ingredient of the VIKOL[®] THP as it shows no significant wash resistance on cotton and rayon fibers by themselves. It is suggested that the fabric contain at least 50% of the thermoplastic fiber in the blend if wash resistance of the bacteriostatic treatment is to be obtained.

VIKOL[®] THP contains 2% by weight of 5-chloro-2-(2,4-dichlorophenoxy) phenol. It is a stable product in storage as long as the container is kept closed. VIKOL[®] THP has a flash point of 62° F., and accordingly must be kept away from open flames or other things which might ignite it.

Extensive toxicity studies on mice, rats, dogs and humans have shown no adverse reactions.

WARNING:

Harmful if swallowed. Avoid contact with skin and eyes. In case of contact with eyes, flush with plenty of water and get medical attention. In case of contact with skin, wash thoroughly with water.

"WARNING FLAMMABLE! KEEP AWAY FROM HEAT OR OPEN FLAME!"

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a safe place.

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.

June 1972

