

## Antifungal and anti-mite agent 5720D

5720D is a highly effective antifungal and anti-mite agent with a wide range of efficient antifungal and anti-mite effects. It can prevent deterioration or discoloration caused by mold, bacteria, micro fungus, algae, and yeast on the surface of materials.

It has excellent effect, long durability, high economic benefits, and can be widely used in natural fibers, synthetic fibers, and blended fibers, etc.

### Physical properties

- Appearance: Colorless to light yellowish transparent liquid
- Ionic character: Cation
- Composition: Silicone quaternary ammonium salt
- Solubility: Soluble in any proportion of water and alcohols.

### Characteristics / Features

- 5720D treated fabrics are harmless to skin and non-toxic.
- 5720D is highly effective on antifungal and antimicrobial effect.
- 5720D is highly effective in preventing mites, has passed the JIS L 1920:2007 Testing methods for efficacy against house dust mite of textiles (99.8% against rate), and the processed fabric is water-resistant for 20 times.
- 5720D provides long durability.
- 5720D can inhibits or prevents the growth of odor-causing bacteria and moldy spots (mold).
- 5720D can help to extend the life of the item.

## Application

- Please refer to the recommended dosage. Conduct experiments before production.
- For textile processing:
  - Dip & Roll Process:
    1. Dissolve 5720D in a suitable solvent (water) to the required concentration.
    2. Dip and roll process: one dip and one roll.
    3. Control the pick-up ratio of 5720D on fabrics to be 3-5% (o.w.f.)
    4. Drying at 120°C for 5 minutes.
  - Dyeing Process:

[Cotton]

    1. General dosage: 3~5% (o.w.f.)
    2. Bath ratio = 10~15:1 (liquid: fabric)
    3. Soak at room temperature, heat up to 40°C x 20-30 mins, dehydrate and dry.

[Nylon]

    1. General dosage: 4~5% (o.w.f.)
    2. Bath ratio = 10~15:1 (liquid: fabric)
    3. Soak at room temperature, heat up to 50°C x 20-30 mins, dehydrate and dry.

[Remark]

    1. The process method and dosages can be adjusted accordingly.
    2. Clean the textile completely and keep the pH level neutral.
    3. Before use, check if the fabric is hydrophilic. If not, add 1-3g/L of a hydrophilic enhancing agent KKF-803 to increase the pick-up ratio.
    4. Please apply the 5720D process before the hand feels process.
- For directly spray: Please contact us for more detailed information.

## Package

- 40Kg or 100Kg /drum

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### LIMITED WARRANTY INFORMATION – PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
- The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights or patents and, if necessary, clarifying the position.
- Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.
- We disclaim any responsibility for any dispute regarding product quality between agent and end user.
- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.