



Gammacol

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Associazione Tessile e Salute
Azienda associata

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GAMMAPAL IW/L CONC.

Levelling agent in the dyeing of wool and its blends, degreasing agent in an acidic bath, dispersing agent of general use

CHEMICAL-PHYSICAL CHARACTERISTICS:

Appearance: colorless clear liquid

Chemical constitution: ethoxylated fatty alcohol in aqueous solution

Ionic charge: not ionic

Compatibility with products: anionic, cationic and non-ionic

pH: sol. 10% 6.5 ± 1

Behavior in water: dilutable in any proportion

Storage stability: excellent in normal environmental conditions

PROPERTY:

GAMMAPAL IW / L CONC. it is perfectly dilutable in water in every proportion, the solutions thus obtained have a pH between 5.5 and 7.5, and are perfectly stable both in acidic and alkaline environment as well as electrolytes; these characteristics remain optimal for the duration of the dyeing treatment.

It is indicated as a levelling agent in dyeing with acid and anionic dyes in general, even on not perfectly degreased material, exerting the product excellent detergent and emulsifying action on the greases present, thus obtaining dyes more solid to rubbing, of greater unity and perfect penetration in normal treatment times, having a rather mild retarding effect.

It can be used as detergent and dispersant in PAC purging and dyeing, being perfectly compatible with dyes and cationic auxiliaries normally used. At the same time, it performs a remarkable dispersing action towards insoluble substances and agglomerates of color which, depositing on the fiber, give rise to the well known drawbacks.

USE:

levelling / degreasing agent for wool articles

The doses vary from 0.5% to 1% depending on the material to be treated.

It is advisable to add the product to the heated bath at 40 ° C before the dye.



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Dyeing of synthetic fibers with dispersed dyes

Since it is not foaming, the product is perfectly suited for dyeing in appliances, where it prevents any filtration on the material ensuring a perfect dispersion of the dyes throughout the dyeing process. The dispersing action is also optimal at T of 130-135 ° C, and therefore its use is recommended in the dyeing of PES and mixed PES / CO fibers in high temperature conditions. In the cooling phase the product prevents the agglomeration of the unmounted dye, avoiding deposits on the material. We recommend quantities ranging from 2 to 6 g / l as a dose of use.

Dispersible in scouring and dyeing of PAC fibers

To eliminate impurities present on the PAC fiber, it is advisable to prepare the bath slightly acidic for Acetic Acid, at the temperature of 70-80 ° C for 30-40 minutes with 2-3 g / l of GAMMAPAL IW / L CONC.

Being an excellent dispersant, it is also suitable for 1-2 g / l dyeing liquor.

Keywords: Leveling agent, levelling agent, wool, blends, cellulosic, cotton, degreaser, dispersant, fastness, rubbing, detergent, scouring, acrylic, polyacrylonitrile, cationic

The data shown are the result of accurate studies and / or experience gained, however, must be considered indicative and in any case without warranty for our use.

The data contained in this sheet are not to be considered specific.

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