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GAMMAPAL DF

Dispersing, leveling for the dyeing of polyester fibers with disperse dyes.

CHEMICAL CONSTITUTION: based preparation of esters and polyglycol ethers

APPEARANCE: yellow brown liquid

IONIC CHARGE: anionic

ODOR: odorless

SOLUBILITY : miscible

STORAGE: six months under normal environmental conditions between 4 and 50°C.

FUNCTIONS

The polyester fibers (Dacron, Terylene, Terylene, Wistel etc.) show a considerable difficulties dyeing under pressure, poor penetration, hard to equalize, especially if you work with very compact cone material. To avoid these problems, we have developed the **GAMMAPAL DF**, it acts as a dispersant of the dyes in the dyeing and at the same time, promotes the penetration, by swollen the fiber. Its penetrating effectiveness allows to obtain on cone material, a perfectly united color tone, without reserved areas or shades of the internal-external differences, both if 100% polyester fibers or blended with other fibers. The function of the **GAMMAPAL DF** in dyeing is to finely dispersing the dyes also at low temperature, distributed uniformly on the material when temperature rise, thus assisting their migration to 120-130°C during the the dyeing process. Given its excellent polyester fiber capacity to swell, **GAMMAPAL DF** can also be used in the dyeing apparatus not under pressure, amounting in the 4-5% on the weight of the fabric.

DOSAGE

The **GAMMAPAL DF** is used in dyeing of light and medium tones in amount of 2-3 g/l. For dark or intense shades, the use is 1-2 g/l in the liquor. It can also be used during the water dispersant of the dye .

Keywords: , dispersing, leveling, levelling, diffuser, swelling, polyester, disperse, penetrating, penetration

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