
Technical Information

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Page 1 of 4

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Europe



® = Registered trademark of
BASF SE

Primasol[®] Deaerator NF

Universal, low-foaming padding auxiliary for continuous and semicontinuous dyeing processes; wetting and deaeration agent for dyeing from long liquors; for dyeing cellulosic fibres and their blends.

Chemical character	Salt of a phosphoric acid ester, anionic
Physical form	Colourless to yellowish, low-viscosity liquid with a slight odour
Shelf life	Primasol® Deaerator NF can be kept in the original sealed containers at temperatures between 0 and 35 °C for at least 12 months. Partly used containers should be kept properly closed and used up as soon as possible. After each use the container should be properly resealed
Notes on safe handling, disposal and ecological aspects	Before first use, please pay attention to the information in the current Safety Data Sheet.

Properties

Product specification	Tolerances for test characteristics are given in the product specification.
Solubility	Primasol® Deaerator NF is readily soluble in cold water. In concentrations above 15 g/l it forms opaque solutions. Primasol® Deaerator NF can be readily washed out and therefore has no effect on subsequent water-repellency treatments.
pH-Value	7 (1 % solution in deionized water)
Compatibility	Compatible with anionic and nonionic surfactants.
Beständigkeit	2 g/l Primasol® Deaerator NF is stable for approx. 6 hours in solutions containing up to 120 ml/l caustic soda 38 °Bé or up to 100 g/l Glaubers salt. The product shows good stability to acids down to approx. pH 3. In hard water, Primasol® Deaerator NF gives turbid solutions. Depending on the hardness, an addition of Dekol® Disperse SN New or Dekol® Disperse SN Plus and /or Lufibrol Chelant TA should be made to set the required dyeing conditions in the range between 5° and 7° Bé.
Note	The product property data merely provide an indication of how the product is to be used. They do not constitute the agreed quality of the product, nor are they the object of regular quality control tests.

Action

As a low-foaming padding auxiliary in continuous and semi-continuous dyeing processes, Primasol® Deaerator NF increases the liquor pickup, improves penetration, and produces a uniform fabric appearance. By leveling differences in affinity, e.g. of fabric that has not been evenly pretreated, Primasol® Deaerator NF improves the reproducibility of the dyeings.

Owing to its low foam development and good wetting action, Primasol® Deaerator NF ensures rapid deaeration of wound packages in long dye liquors and promotes penetration of the material by the liquor.

Application

Primasol® Deaerator NF is used as a padding auxiliary and wetting agent in long liquors with the following classes of dyes:

Vat dyes, indigo, reactive dyes, direct dyes, disperse dyes and sulphur dyes.

Primasol® Deaerator NF is predissolved in cold water and added to the treatment bath.

Application rates:

Pad-dyeing processes:	2.5 – 5 g/l	Primasol® Deaerator NF
Dyeing in long liquors:	1 – 2 g/l	Primasol® Deaerator NF

Safety

When using this product, the information and advice given in our **Safety Data Sheet** should be observed. Due attention should also be given to the **precautions** necessary for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.

