

KAPPASOAP R 41 conc.

Versatile sequestering and dispersing agent

Chemical composition	preparation of polyacrylates and alkyl phosphonates
Appearance	yellowish, nearly clear solution
pH-value 20 °C	4 - 6 (product)
Density 20 °C (g/ml)	approx. 1.19
Ionic charge	anionic

Function

KAPPASOAP R 41 conc. is the concentrated version of KAPPASOAP R 41. The product must be diluted with half quantity of water to get KAPPASOAP R 41.

KAPPASOAP R 41 conc. is an excellent soaping agent.

KAPPASOAP R 41 conc. has an excellent dispersing effect and is an efficient sequestering agent for alkaline earth and heavy metal ions. At pH 11 and 60 $^{\circ}$ C, 1 g of KAPPASOAP R 41 conc. binds approx. 180 mg of CaO or approx. 320 mg of CaCO₃. The formed complexes are very stable even at boiling temperature and in a stronger alkaline range (to approx. 3 g/l NaOH 100 %).

KAPPASOAP R 41 conc. does not cause any demetallization of direct and reactive dyes based on metallic complexes in spite of its strongly developed chelating capacity.

KAPPASOAP R 41 conc. is not interfacial-active and therefore foam-free.

Application

KAPPASOAP R 41 conc. is a very universally applicable product, e. g.

- for dyeing of cellulosic fibres or cellulosic fibre blends with direct, reactive, vat and sulfur dyes, whereas it is possible to dye raw cotton without preliminary cleaning for example.
- for printing with reactive dyes when applying alginate thickening agents.
- for all scouring, washing and soaping processes in neutral and alkaline range.

The application level depends on the respective operating conditions.

Recommended application level for long liquors:

Relating to the sequestering of water hardness

• approx. 0.05 ml KAPPASOAP R 41 conc.

is required per 1 °dH and 1 litre of water.

Dilution instruction

KAPPASOAP R 41 conc. can be diluted with cold water at any ratio. The product can also be added directly to the liquor.

Storage

KAPPASOAP R 41 conc. remains stable for at least 1 year if stored properly and cool in a tightly closed original container.

When using the products, the precautionary measures applicable to the handling of chemicals must be observed. For storage and hazard information as well as safety advice, please refer to the relevant safety data sheets. Application solutions and product residues must be disposed of in accordance with official regulations. The listed instructions correspond to our previous experience. However, in view of the different operating conditions, only non-binding information and advice can be given. Therefore, we cannot accept any liability whatsoever, including liability for claims by third parties. Errors, changes and misprints excepted. Non-binding product information, print date Feb 17, 2022, not subject to systematic change.

Contact

KAPP Chemie info@kapp-chemie.com +49 / 6772 / 9311-0



Standards (further on request)

- GOTS
- OEKOTEX Standard 100
- 7DHC

KAPP-CHEMIE GmbH & Co. KG Industriestraße 2-4 56357 Miehlen www.kapp-chemie.com