

FELOSAN RG N

Character	Low-foaming stain remover and washing agent, without APEO
Chemical Character	Fatty alcohol ethoxylates
Appearance	Clear, colorless liquid
Ionic Character	Non-ionic
PH Value of a 10 % Solution	5.0 – 7.6
Specific Weight at 20 °C	~ 0.98
Stabilities	<p>FELOSAN RG N has a good stability to agents causing hardness of water, alkalis and acids in the usual concentrations. The alkali stability is 60 g/l caustic soda at 20°C.</p> <p>FELOSAN RG N is also compatible with non-ionic, anionic or cationic products.</p> <p>The product is very sensitive to frost; temperatures around the freezing point cause irreversible changes.</p>
Storage	On proper storage in closed original containers, the product is stable for at least 24 months.

Properties

FELOSAN RG N is a special compound with remarkable emulsifying properties for oil and fat stains, excellent wetting properties and a very good washing power. FELOSAN RG N is suitable for all kinds of fibres and can be applied in the slightly acid medium.

In wool finishing, FELOSAN RG N can be used together with special milling agents such as LAVOTAN NN 150 conc. whenever necessary.

Above 30°C FELOSAN RG N is low-foaming and can therefore be applied on high-turbulence washing machines, too.

Application technique

Diluting Instruction

FELOSAN RG N can be diluted with cold to warm water (up to 30 °C) in any ratio. First the product is viscous but when adding more water (1 : 10) it becomes liquid.

Application fields

FELOSAN RG N has been developed especially to remove oil and fat stains which are caused by machine oil splashes, for example on the modern high-speed weaving machines.

Furthermore, FELOSAN RG N is suitable for washing synthetics or mixtures of wool or cotton with synthetics. Even preparations, particularly knitting oils, which are difficult to remove with normal washing agents can be removed with FELOSAN RG N without adding a solvent.

FELOSAN RG N is able to avoid too strong a degreasing if used to remove local oil or fat stains, and hence prevents marking in subsequent dyeing.

Application proposal

In discontinuous processes oil stains are removed with an application amount of 2 %, in special cases up to 3% are used. The washing bath can be adjusted to pH 8-9 with ammonia or soda. The addition of 0,5% HEPTOL NWS gives a positive washing results. The time of washing should not be less than 20 min.

As the oils have different affinities to the individual kinds of fibres, the washing temperature must be adjusted to the material to be treated. With wool and synthetics, the best results are obtained at 50 - 60°C whereas with cotton it might be necessary to process at boiling temperature.

In normal preliminary washing processes without local staining (preparation removal) an application amount of 0.5% and a treatment temperature of 50 - 60°C give completely satisfying results.

In continuous processes usually work as follows:

Pad with	20.0 - 50.0 g/l FELOSAN RG N
	1.0 – 3.0 g/l HEPTOL NWS
	pH 8.0 – 9.0
	Impregnation temperature :approx.50°C
	Dwelling :approx.8 – 12h

Washing off (depending on the length of the washing range)

Cotton:	1 – 3 baths at 98°C
	1 – 2 baths at 60°C
	1 bath at 40°C
	2 – 3 baths at 20°C

Both in continuous and discontinuous procedures it is of particular importance to remove the tenside/oil emulsion first with a warm and then with a cold rinse.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

Edition: May, 2024

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