

Scouring agent

SPDG SINTOL AN-50 is a detergent with strong emulsifying properties on oils usually employed to lubricate knitting machines needles. It is particularly suitable in the scouring of knitted cotton and blends fabrics.

SPDG SINTOL AN-50 exhibits a very good deterging, anti-redeposition effect on waxes and natural paraffin of the fibers.

SPDG SINTOL AN-50 is stable to acids, alkalis, and reducing and oxidizing agents. It can be employed both in acid cleaning treatments and in bleaching with chemical whitening agents.

SPDG SINTOL AN-50 can also be used in scouring of articles with synthetic fiber as the coning oils used for the secondary spinning of such fibers, is generally similar to the lubricating agents employed on the knitting machine.

PROPERTIES

Appearance	:	Opaque liquid
Main component	:	Complex mixture of nonionic surfactants
Ionic	:	Nonionic
pH(100% sol ⁿ .)	:	6.0 - 8.0
Stabilities	:	Well stable to acids, alkalis and metal salts as well as to oxidation and reduction agents, and to hardening substances of water in the usual industrial concentrations. Furthermore, SPDG SINTOL AN-50 is compatible with nonionic, anionic and cationic products. SPDG SINTOL AN-50 is not sensitive to frost.

FEATURES

1. **SPDG SINTOL AN-50** is suitable for all kinds of fibers and can be applied in all discontinuous and continuous washing and bleaching processes.
2. Due to its very good oil emulsifying effect, **SPDG SINTOL AN-50** is also suited for bleaching and washing fabrics containing elastane.
3. **SPDG SINTOL AN-50** is low foaming so that it can be applied on washing machines and discontinuous dyeing machines with high turbulences.
4. **SPDG SINTOL AN-50** is also high concentration. It has good effective with only low amount of usage.
5. **SPDG SINTOL AN-50** does not have phenol-derivatives nor halogenated toxic solvents; the solvents present on the product can rapidly degrade, therefore the product is to be considered “easily biodegradable”.

APPLICATIONS

Diluting instruction

SPDG SINTOL AN-50 is miscible at any ratio with cold water up to 30°C. Because of its composition the product keeps a low viscosity in all mixing ratios and does not have any gel phase.

Dosage

The liquor stability has to be checked before applying the product in very alkaline continuous bleaching and scouring processes. The application amounts of **SPDG SINTOL AN-50** vary depending on the application field and the soiling degree of the textile, the following application quantities are recommended:

1. Desize

Because **SPDG SINTOL AN-50** is compatible with enzymatic desize agents (bacteria preparations and pancrease amylases), it is suitable for the application in an enzymatic desize process, as wetting agent and to emulsify size fats. In addition to that, its application allows for elimination of synthetic size agents.

a) Discontinuous

SPDG SINTOL AN-50 : 1.0-2.0 g/L

b) Continuous

SPDG SINTOL AN-50 : 3.0-5.0 g/L

2. Prewashing of natural and synthetic fibers and their mixtures

a) Discontinuous

SPDG SINTOL AN-50 : 0.5-1.0 g/L

b) Continuous

SPDG SINTOL AN-50 : 2.0-3.0 g/L

3. Peroxide bleach

a) Discontinuous

SPDG SINTOL AN-50 : 1.0-2.0 g/L

b) Continuous

SPDG SINTOL AN-50 : 3.0-5.0 g/L

Recipe example for a discontinuous peroxide bleach

STABLE GA	:	0.5-1.0 g/l
SPDG SINTOL AN-50	:	1.0-2.0 g/L
NaOH 100%	:	1.0-2.0 g/l
H ₂ O ₂ 50%	:	1.5-5.0 g/l (for color pretreatment)

H ₂ O ₂ 50%	:	5.0-8.0 g/l (for full white)
CHELESTER-200N	:	1.0-2.0 g/l

Recipe example for a continuous peroxide pad steam bleach

STABLE GA	:	3.0-5.0 g/l
SPDG SINTOL AN-50	:	3.0-5.0 g/L
NaOH 100%	:	10.0-20.0 g/l
H ₂ O ₂ 50%	:	15.0-40.0 g/l

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