

Evosurf series

Evosurf NDSR

Non-ionic detergent and oil stain remover with excellent detergent properties.

INTRODUCTION

In order to prepare a quality fabric, it is necessary to remove the natural and man-made impurities present in the greige fabric. In case of cotton knitted fabrics, the soil to be removed comprises natural impurities like fats, waxes, pectin, mineral matter etc. as well as added impurities (lubricants) used in spinning the yarn. The total impurities comprise 10- 20% in the greige fabric. Achieving good absorbency necessitates the thorough removal of cotton wax, which is located mainly on the fibre surface, forming a very thin layer that prevents adequate wetting of the fibre surface.

Moreover, the fabric during its preparation comes in contact with residual oils, knitting oil, machine oil etc. This oil stains remain on the fabric in spite of scouring with a good scouring agent. Therefore, the preparation must employ an auxiliary that assist in removing the stains on the fabric and emulsification of the fatty substances and dispersion of other substances. In other words – an Oil stain remover.

Evosurf NDSR is an excellent oil stain remover having good emulsifying properties for all types of fatty impurities. It has an emulsifying and dispersing action that imparts not only good wettability to the textile material at the start of the pre-treatment but also good hydrophilicity at the end of the pre-treatment. This good hydrophilicity leads to the good absorbency needed for the dyeing process.

FEATURES

- Excellent oil stain remover with rapid wetting and emulsifying power.
- Removes mineral oil contamination and sizing agents and imparts excellent cleanliness and good absorbency to the material
- Exhibits good compatibility with all enzymes
- Good pH stability and therefore a wide application spectrum, e.g. in scour boiling, bleaching, protonic treatments, bio washing etc.
- Stable in liquors with up to 40g/l caustic soda solid (ca.6°Bé)
- Very low foaming.
- Ecological as it is free from APEO, nitrogen and phosphorous.

STALWART ADVANCE MATERIAL INDS

Application & Business Center, B-120, Ansa Industrial Estate, Saki Vihar Road, Sakinaka, Andheri (E), Mumbai – 400 072.
email: sales@stalwartadvance.com; web: www.stalwartadvance.com; Customer care:1800 121 3497

PROPERTIES

Appearance	Colourless to hazy slightly viscous liquid
pH	approx.7.0
Ionic character	Non-ionic
Compatibility with	
Cationics	Good
Anionics	Good
Non-ionics	Very Good
Stability to	
hard water	Good
alkali	Good (up to 40 g/l)
temperature	Good

SAMPLE RECIPE FOR PRETREATMENT OF KNITS

Protonic pretreatment (liquor ratio 1:10)

	Add chemicals preferably at 40°C
0.3 – 0.5 ml/l	Evosurf NDSR
1 ml/l	Neoquest PP
	Heat to 60°C. Treat for 20 minutes at 60°C. Drain.

Scouring & Peroxide bleach (liquor ratio 1:10)

	Add chemicals preferably at 40°C
0.5 – 1.0 ml/l	Neoquest HRS
1.0 – 1.5 ml/l	Evosurf NDSR
0.75 – 2 ml/l	Lubatex ACA
3 – 5 ml/l	caustic soda 36°Bé
3 – 6 ml/l	hydrogen peroxide 35%
0.3 – 0.8 ml/l	Oxystab IPS
	Heat to 98°C.
	Treat at the boil for 45 – 60 minutes
	Cool to 70°C. Drain.
	Rinse hot for 10 – 20 minutes at 80°C. Drain
	Neutralize with
1ml/l	Neutracid AAS for 15 – 20 minutes at 40-60°C.
	Drain
	Remove residual peroxide with
0.3 - 0.5 ml/l	Protozyme CPK for 15 - 20 mins at 40-60°C & pH 6-8.
	Drain.

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STORAGE AND HANDLING

Precautions for safe handling	Do not eat, drink or smoke while handling the product.
Conditions for safe storage	Store in a cool, dry & ventilated area away from the sources of heat.
Shelf Life	6 months.

Note: Kindly refer SDS for further information on Storage & Handling.

Evosurf is a registered trade name of Stalwart Advance Material Inds.

The information and recommendations presented here were based on our general experience and correspond to the state of our knowledge. They are intended to service as non-binding guidelines and must be adapted to the prevailing conditions. We cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

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