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## NESTOSIL 33

### Silicone Hydrophilic Softener

NESTOSIL 33 is a macro emulsion of new generation silicone copolymer having reactive groups in the chain. It imparts excellent hydrophilic nature especially in all types of fabrics, natural as well as synthetic. In addition to hydrophilicity, NESTOSIL 33 imparts excellent hand feel & antistatic properties.

NESTOSIL 33 is suitable for knit processing in different finishing machines, especially in high speed & high shear machines, for broad range of cotton, blends, polyester and viscose fabrics. Excellent stability of NESTOSIL 33 is not confined to any textile finishing process. Super exhaustibility of NESTOSIL 33 also imparts distinguished touch on all types of woven & knit fabrics. It has excellent softening effect on enzyme-washed fabrics

### Application

Fabric: Knit, woven & terry towel

Type: Cotton, polyester, viscose, Lycra & their blends

Machine: Padding & exhaust including Jet-dyeing at 1:6 MLR with variable pH 4-10 and hard water up to 3000 ppm

NESTOSIL 33 has almost no effect on the degree of whiteness of the treated fabric when usual application conditions are adhered to. Generally, no adverse effect on the shade or colour fastness properties of coloured goods is observed.

For white fabric processing, before addition of NESTOSIL 33, the fabric should be free from Optical brightener.

### Processing

NESTOSIL 33 can be applied by padding method or by exhaust method.

For padding, 10-50 g/l NESTOSIL 33 is recommended.

NESTOSIL 33 can be applied either alone or together with cationic and other finishing agents. A wide range of touches can be obtained by combining NESTOSIL 33 with conventional softening agents and other additives. It is advised to check the compatibility of NESTOSIL 33 against other auxiliary chemicals before going for any bulk plant stage processing. Especially for any anionic auxiliaries, special care should be taken & compatibility must be checked always.

For the exhaust method, 1-3% NESTOSIL 33 relative to the weight of goods, are adequate and the treatment should be carried out at 35-45° C for 15-20 minutes. The pH of the liquor should not exceed pH 6 for better exhaustion though it is stable at higher pH also. It may need to be adjusted with acetic acid.

**The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.**

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

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## Storage

NESTOSIL 33 has a shelf life of at least 8 months when stored at 25° C in the tightly closed original container. The 'Best use before end' date of each batch appears on the product label.

Emulsions showing signs of creaming should be agitated before use to assure uniform consistency. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

## Safety information

Detailed safety information is contained in each material data safety sheet, which can be obtained from our sales offices.

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