



PISCEAN CENTURY CHEMICALS PTE LTD

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NANOSOFT CONC

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NANOSOFT CONC is a high grade nano-size, weak cationic, silicone emulsion softener applicable in textile / garment processing industries. **NANOSOFT CONC** is an amino reactive and hydrophilic – based high grade silicone emulsion. It is easily dilutable in cold to warm water (acidified water of pH4.5), at temperature of 15°C to 50°C under slight stirring.

It is advised to pre-dilute this product 6 to 12 times with treated water before actual application. **NANOSOFT CONC** is Jet machine applicable and compatible with most non-ionic and cationic textile auxiliaries, softeners and chemicals. Prior tests are required to ascertain its compatibility.

NANOSOFT CONC is best used on cotton knits, polyester, tencel and their blends by methods of padding, spraying and exhaust.

NANOSOFT CONC does not contain NPs, APEO and banned amines. It is ECOTEX-100 compliance when used as recommended.

Typical Applications:

On textiles and garments wet processing to achieve:

- ✓ Durable hydrophilic, clean, slippery, soft, dry feel
- ✓ Durable softness and drape
- ✓ Improved fabrics / garments tear strength
- ✓ Improved fabrics / garments wrinkle resistance
- ✓ Improved fabrics / garments elasticity, sewability
- ✓ Non-yellowing compared to other cationic softener, silicones
- ✓ Improved silicone yield due to its reactivity with fibres when used in dyeing machines with long liquor ratios
- ✓ Improved soil resistance

Typical Diluting Conditions:

- ✓ Temperature of Diluting Water : 15°C to 50°C.
- ✓ pH of Diluting Water : 4.5~6
- ✓ Bactericides Recommended : 0.1~0.3g/L

- Avoid high temperature, high pH. Slow speed stirring suffice.
- Avoid water contaminated with iron and copper ions.
- To add **NANOSOFT CONC** into stirring water, stir for few minutes, check final pH of mixture (pH4.5 ~ 6.0).
- Adjust pH to slightly acidic condition, if necessary.

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CERT. NO. : 2001-2-1286
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Physical Properties:

Silicone Type : Inherent hydrophilic, reactive micro silicone
 Appearance : Clear to slight yellowish viscous solution
 Active Ingredients : 75 % ± 5%
 Ionic nature : Weak cationic
 Diluent : Cold to warm water, pH 4.5 to 6
 Odour : Negligible

Packing : 120kg HDPE wide open top drums.

Storage : To store cool under shade to prolong shelf life of product. Never exposed product to direct sunlight.
 : Keep lid tight when not in use to prevent possible contamination to the product.
 : **Stir well before use.**

Transport : Product is non-flammable by itself and is not classified as hazardous for transport.

Shelf life : Minimum 9 months when stored at 25°C or below, in unopened conditions.

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Separate MSDS available upon request



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