



PISCEAN CENTURY CHEMICALS PTE LTD

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HYDURASOFT NY90 /12-2007

HYDURASOFT NY90

HYDURASOFT NY90 is a high grade weak cationic nano-silicone emulsion softener applicable in textile / garment processing industries. **HYDURASOFT NY90** is amino reactive and inherently hydrophilic based. It is easily dilutable in cold to warm water (acidified water of pH4.5), at temperatures of 15°C to 50°C under slight stirring.

HYDURASOFT NY90 is applicable on major types of fibres like cotton, viscose, modal, tencel, polyamide, polyester and their blends by methods of padding, spraying and exhaust. It is advisable to pre-dilute this product 6 to 12 times with suitably treated water before actual application. **HYDURASOFT NY90** 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)

HYDURASOFT NY90 is non-yellowing, high temperature (100°C), high pH (12.0) tolerance and will not cause silicone spotting when use as directed.

HYDURASOFT NY90 does not contain NP, APEO and other banned chemicals. It is ECOTEX-100 compliance when used as recommended.

Typical Applications:

Exhaust / Padding / Spraying / Coating:-

On textiles and garments wet processing to achieve:

- ✓ Durable hydrophilic, clean, soft, dry feel
- ✓ Durable softness and drape
- ✓ Non-yellowing even on white
- ✓ Enhanced anti-static
- ✓ Non-silicone oil spotting
- ✓ Improved fabrics / garments tear strength
- ✓ Improved fabrics / garments wrinkle resistance
- ✓ Improved fabrics / garments elasticity, sewability
- ✓ Improved silicone yield due to its reactivity with fibres when used in dyeing machines with long liquor ratios
- ✓ Improved soil resistance

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CERT. NO. : 2001-2-1286
SS ISO 9001: 2000



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MEMBER OF
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Typical Diluting Conditions:

- ✓ Temperature of Diluting Water : 15°C to 50°C.
 - ✓ pH of Diluting Water : 4.5~6.5
 - ✓ 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 **HYDURASOFT NY90** into stirring water, stir for few minutes, check final pH of mixture (pH4.5 ~ 6.0).
 - Adjust pH to slightly acidic condition, if necessary.

Physical Properties:

Silicone Type	:	Inherent hydrophilic, reactive nano silicone
Appearance	:	Slight viscous colorless solution
Active Ingredients	:	85% - 90%
pH (product)	:	Weak cationic
Diluent	:	Cold to warm water, pH 4.5 to 6.0
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 12 months when stored at 25°C or below, in unopened conditions.

Separate MSDS available upon request

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