

## HYDROCON<sup>®</sup>

**Dispersion of nonionic silicone polyether co-polymer designed to provide superior softness/dryness and hydrophilicity.**

CHARACTERISTICS	BENEFITS
Nonionic silicone polyether copolymer	Designed to provide superior softness/dryness and hydrophilicity
good softness with durable property	Offers extremely good soft release and antistatic property to 100% polyester, polyester rich blends & polywool fabrics. <b>HYDROCON</b> finished fabric feels soft, cooler and generally more comfortable.
Soil release and stain release properties	<b>SOIL RELEASE</b> Polyester fabric treated with <b>HYDROCON</b> exhibit soil release and stain resistant properties to a wide range of stain including grease, oil and food additives.
Moisture Transportation	Polyester and Polyester rich blends treated with <b>HYDROCON</b> gives fabric the ability to transport moisture and perspiration away from skin them more comfortable, much the same as 100% cotton.
Exceptional dry softness	<b>HYDROCON</b> treated fabrics feel soft and supple due to antistatic properties and the slick hand imparted is totally dry soft.

### PROPERTIES

Ionic Nature:	Non-ionic
Physical Appearance:	Offwhite to pale brown viscous liquid
Specific Gravity at 25°C-30 °C	0.99 - 1.05
pH (5% Solution) Using pH meter	2.0 – 4.5

Technical Data Sheet: HYDROCON\_TDS

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Compatibility:	Compatible with most cationic and nonionic products used in textile finishing
Solubility in water at 25°C:	Readily soluble
Storage stability:	HYDROCON is stable for 6 months when properly stored in closed containers at 25°C
Ecology/Toxicology:	The usual hygiene and safety rules for handling chemicals should be observed in handling, storage and use of the product. The product must not be swallowed

## APPLICATION

Product can be applied both by exhaust and padding methods

### Padding application

10-20 g/l HYDROCON

Is recommended in the padding bath depending on the type of fabric and softness required followed by drying at 160°C

### Exhaust application

1.0 to 2.0 % (owf) HYDROCON

Is recommended at a liquor ratio of 1:5 to 1:10 depending on the type of fabric and hydrophilicity desired, run for 15-20 minutes at room temperature followed by drying at 110- 130°C

Product can be used in the polyester dyebath around 1% to 1.5% during dyeing process. It will enhance moisture management property of the dyed fabrics.

## NOTES

If exposed to atmospheric air for a prolonged duration product becomes hazy and hence it should be kept all the times in closed containers away from direct sunlight

## ATTENTION

The information given above is in line with our present state of knowledge and experience and is without any guarantee. Users must thoroughly test any application

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# Britacel Silicones Ltd.



before any commercialization. We are not liable for damages due to improper application of our products.