



MIRACHEM INDUSTRIES

B-310, Virwani Industrial Estate
Off Western Express Highway
Goregaon (East), Mumbai - 400 063, India
Tel.: +91 22 42417575 / 29271378
Fax: +91 22 42417550

www.mirachemindustries.com
Email:
admin@mirachemindustries.com
mirachem@bom5.vsnl.net.in
mirachemindustries@gmail.com

MIRAGIN – SIN

Miragin – SIN is an amino functional polysiloxane for imparting softening effects on all types of fibres..

- Imparts very soft, smooth and supple handle
- Increases elasticity and stretch recovery of knit goods
- Improves crease recovery angle and resilience
- Improves tear strength and abrasion resistance
- Improves sewability of the finished goods
- Suitable for pad and exhaust application
- Finishing effects are largely wash-fast

Properties:

Appearance	: Colourless liquid
Chemical Nature	: Amino modified polysiloxane
Ionic Nature	: Nonionic
Solubility	: Soluble
pH (2% solution)	: 5.0 ± 1.0
Stability	: Resist to hard water
Compatibility	: Compatible practically with all products used in finishing
Storage Stability	: Stable for 3 months if stored in a cool & dry place (Not sensitive to frost)

Method of Application:

Miragin – SIN can be applied either alone or in combination with other compatible finishing products on woven or knitted fabrics by both exhaust and padding method. The concentration would depend on type of fibre and effect desired.

1) Exhaust Method :

Miragin – SIN	→	0.5 – 3.0 %
pH	→	5.0 – 5.5
Temperature	→	40 – 50° C
Duration	→	15 – 20 minutes

P. T. O. →



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2) Padding Method :

Miragin – SIN	→	10 – 40 g/l
pH	→	5.0 – 5.5
Pad – dry – cure		
Temperature	→	120° C – 160° C
Duration	→	3 to 5 minutes

Typical Recipes:

1) Shirting fabric (Cotton)

Mirapret – R	→	40 – 60 g/l
Magnesium chloride, hexahydrate	→	3 – 5 g/l
Miragin – V	→	10 – 20 g/l
Miragin – SIN	→	10 – 20 g/l

Dry and cure at 150°C for 4 minutes or at 170°C for 45 seconds

2) Blouse Material (Viscose Rayon fabric):

Mirapret –R	→	60 g/l
Magnesium chloride, hexahydrate	→	3 – 5 g/l
Mirasoft – N	→	10 – 20 g/l
Miragin – SIN	→	15 – 30 g/l

Dry and cure at 150° C for 4 minutes or at 170° C for 45 seconds

3) Outer Wear, Knit goods (Cotton)

1. Pad application

Mirapret – R	→	30 – 50 g/l
Magnesium chloride, hexahydrate	→	3 – 5 g/l
Miragin – V	→	20 – 30 g/l
Miragin – SIN	→	10 – 20 g/l

2. Exhaust application

Miragin – SIN	→	0.5 – 1.0%
pH	→	4.5 – 5.5
Temperature	→	Room temperature
Duration	→	20 – 30 minutes

contd.....



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4) Suitings (Poly wool)

1. Pad application

Miragin – SIN → 10 – 50 g/l

Pad – dry at 130°C

2. Exhaust application

Miragin – SIN → 1.0 – 2.0%

pH → 4.5 – 5.5

Temperature → Room temperature

Duration → 20 minutes

General safety instructions

The usual hygiene and safety rules for handling chemicals should be observed in storage, handling and use.

The product should not be swallowed. For further information, please consult existing safety data sheet.

Note :

The data contained in this communication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed. Responsibility for compliance with the requirements of the downstream textile market rests with the textile processor.