



ASCENT CHEMICALS
Exceeding Our Customer Expectation

FINISHING

Softening agents

- Ascent SIL 900 - Amino silicon (aminosilicone in nano form moisture regulation)
- Ascent SIL 1000 - L3 Oil Concentrated Amino Silicon High Soft
- NON- IONIC SOFTENER (SOFT NS)
- ASCENT CATASOFT -Cationic Softener
- ASCENT CATASOFT 100 - (100% Cake Type)
- ASCENT Soft XL - Economic Softener

Amino-modified silicone softening agents

1.ASCENT SIL 900 (Amino Silicone Softener)

INTRODUCTION:



Amino Silicone Softener is used for softening the texture of fibers and fabrics and made them smooth. These softeners are composed of the finest quality softening agents to impart the soft feel to the fabrics. The softeners make the fabric blends soft to handle and white with no yellowing. The softener shows excellent stability to hydrolysis and temperature. It offers excellent whiteness to the fabric without causing any yellowing. The Amino Silicone softener is clear liquid imparts the softness & silky feel of the synthetic & cotton fabrics.

Features:

- Highly effective even at lower levels
- Enriched with silicone to impart excellent softness to fabrics
- Abrasion proof
- Improves wear strength
- Optimum smoothness to fabrics
- Easily dispersible in hot and cold water
- Chemical Composition- Modified Amino-Silicone
- Solubility- Easily dispersible in cold and hot water

Packing: 50 kg, 200 kg and 1000 kg.



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2.Amino Silicone Emulsion

We are one of the leading processors, suppliers, and exporters of a superior quality range of Amino Silicone Emulsion. We manufacturing Cationic and Non Anionic type of Amino Silicone Emulsions. These are widely appreciated for features like soft & flowing touch, high surface smoothness, high yellowing resistance and excellent elastic resilience. Offered at market leading prices, these are suitable for white & colored goods and are used as an additive to filling and stiffening finishes. These are emulsions made using amino-modified silicone Fluid. They yield textiles that have a soft and viscous texture.

APPLICATIONS:

- For the wash-resistant and dry-cleaning-resistant finishing of piece goods made of cellulose, wool, and synthetic fibers.
- Since the product is a macro emulsion, it has its main influence on the surface touch of the textile goods.
- The product is suitable for white goods even at high drying temperatures and can be applied for high-grade finishing under the corresponding condensation conditions.
- In combination with resin finishes, it reduces the loss of mechanical properties (Resistance to tearing and to tear propagation, abrasion resistance, crease resistance) of the fabric.

FEATURES:

- Highly effective even at lower levels
- Enriched with silicone to impart excellent softness to fabrics
- Abrasion proof
- Improves wear strength
- Optimum smoothness to fabrics
- Easily dispersible in hot and cold water
- Non-ionic in nature

Used for:

- Softening cotton woven fabric.
- Improves softness and sewability.



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PRODUCT DETAILS:

Specifications:

Ascent SIL 700:

Creamy white liquid pH- 7 Non Ionic nature Gives the silky wet texture and improves softness. Ascent SIL 700 is a micro emulsion, which means it has excellent stability and better compatible with other chemicals.

Ascent SIL 750:

Creamy white liquid pH- 7 Non Ionic nature
Gives a full hand and improves smoothness and softness. Suitable for deep color processing.

Ascent SIL 800

Creamy white liquid pH- 6 **Cationic nature**
Gives a resilient, soft hand. Ascent SIL 800 is an emulsion polymer, and thus offers excellent emulsion stability.

Ascent SIL 1000

Creamy Clear liquid pH- 5 Cationic **nature** L3 Oil Concentrated Amino Silicon High Softness

Packing : 50 kg, 200 kg and 1000 kg .



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3. NON- IONIC SOFTENER (SOFT NS)

Introduction

ASCENT SOFT NS IS A NON YELLOWING NON-IONIC SOFTENING AGENT FOR CELLULOSIC FIBERS, SYNTHETIC FIBERS AND THEIR BLENDS

General Properties:

Appearance	Pourable paste
Composition	Fatty acid condensation product
Ionicity	Non-ionic
Solubility	Diluted in water in any extent
pH (2% Solution)	4 - 5
Compatibility	Compatible with anionic as well as finishing agents

Stability in:

Hard water	Good
Acids	Good
Alkalis	Good

Compatibility with:

Non-ionic surfactant	Generally very good
Anionic surfactant	good
Silicone softener	Good
Optical brightener	good



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The most outstanding effects of Ascent Soft NS

- It is pumpable, pourable, low viscosity softener in emulsion form
- Can be applied in both exhaust and padding processes
- Imparts a very soft, smooth handle to the goods without yellowing
- It has no influence on dyeing fastness.
- It poses no yellowing problem to white goods

Application:

Dissolving method: ASCENT NS is dissolved by gradually adding while stirring 10-20 times its weight of warm water at 60-70° C stock solutions are very stable and can be diluted with water as required.

ASCENT NS can be applied by both exhausts as well as padding method concentration would depend on type of fiber and the effect desired. It is applied as self-finish or in combination with other finishing chemicals and optical brightening agents. The concentrations to be used are the following methods.

Application Methods:

Ascent NS can be applied by exhaust as well as padding method:

(1) Exhaust application (Package m/c, Soft-flow m/c, Winch)

(A) Post conditioning of acrylic yarn especially in the final rinse of yarn dyeing m/c

Ascent NS	1-2.5% (on weight of yarn)
Temperature	45 - 50°C
pH	4 - 5
Time	20 - 30 min.



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(B) Application on Knit fabric

Ascent NS	: 1-2.5% (on weight of fabric)
Temperature	: 45 - 50°C
pH	: 4 - 5
Time	: 20 - 30 min.

(C) Softening of garment (Wash-wheel)

Ascent NS	: 1 - 2% (on weight of garment)
Temperature	: 45 - 50°C
pH	: 4 - 5
Time	: 20 - 30 min.

(2) Padding Application

Ascent NS	: 20 - 30 gm/lit.
Ascent Sil 900	: 10 - 20 gm/lit.
pH	: 4 - 5

Impregnate fabric at 70-80% pick -up, dry at 120-140°C for 2-3 min.

Packing : 50 kg Container



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ASCENT CATASOFT

(CATIONIC SOFTENER)

Introduction:

Ascent Catasoft is an excellent cationic softener, which is readily soluble in water. It can be used for cotton, polyester / cotton and polyester/viscose and polyester fabrics/garments. It provides limpness and shine to fabric.

General Properties:

Appearance	Pourable paste
Composition	Fatty acid condensation product
Ionicity	Cationic
Solubility	Diluted in water any extent
pH (2% Solution)	4 - 5

The most outstanding effects of Ascent Catasoft

- It is pumpable, pourable, low viscosity softener in emulsion form
- Very cost effective softener
- Can be applied in both exhaust and padding processes
- Imparts a very soft, smooth handle to the goods
- Imports good softness with lubrication properties

Compatibility with:

Non-ionic surfactant	Generally very good
Anionic surfactant	Not compatible

Application:

Dissolving method: ASCENT CATASOFT is dissolved by gradually adding while stirring 10-20 times its weight of water at 60-70' C stock solutions are very stable and can be diluted with water as required.

ASCENT CATASOFT can be applied by both exhausts as well as padding method concentration would depend on type of fiber and the effect desired. The concentrations to be used are the following methods.



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Application Methods:

Ascent Catasoft can be applied by exhaust as well as padding method:

(1) Exhaust application (Package m/c, Soft-flow m/c, Winch)

(A) Post conditioning of acrylic yarn especially in the final rinse of yarn dyeing m/c

Ascent Catasoft	0.5-2.5% (on weight of yarn)
Temperature	45 - 50°C
pH	5-6
Time	20 - 30 min.

(B) Application on Knit fabric

Ascent Catasoft	1-2.5% (on weight of fabric)
Temperature	45 - 50°C
pH	5-6
Time	20 - 30 min.

(C) Softening of garment (Wash-wheel)

Ascent Catasoft	1 - 2.5% (on weight of garment)
Temperature	45 - 50°C
pH	5-6
Time	20 - 30 min.



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(2) Padding Application (For cotton, polyester or its blends)

Ascent Catasoft	20 - 30 gm/lit.
Ascent Silsoft 1140	10 - 20 gm/lit.
pH	4 - 5

Finishing of woven fabrics made from cotton on viscose staple

5-30 g/lit polyvinyl acetate emulsion

10-30g/lit ASCENT SOFT CS

Pad-try-cure at 130-150°C for 2 minutes

Impregnate fabric at 70-80% pick -up, dry at 120-140°C for 2-3 min.

Resin Finishing of polyester/cotton fabric

10-30g/lit ASCENT SOFT CS

Pad-try-cure at 150-170°C for 2 minutes

Packing : 50 kg Container



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ASCENT SOFT XL (SMOOTH FEEL CATIONIC SOFTENER)

Introduction:

Ascent soft xl is an excellent cationic softener, which is readily soluble in water. It can be used alone or in combination with other compatible finishing products on woven and knitted fabrics, bonded non-woven, fibers, filaments and yarns.

General Properties:

Appearance	Pourable liquid form
Composition	Fatty acid condensation product
Ionicity	Cationic
Solubility	Diluted in water any extent
pH (2% Solution)	4 - 5

The most outstanding effects of Ascent Soft xl

- It is pumpable, pourable, low viscosity softener in liquid form
- Can be applied in both exhaust and padding processes
- Imparts a very soft, smooth handle to the goods
- Imports good softness with lubrication properties
- Improved sewability

Compatibility with:

Non-ionic surfactant	Generally very good
Anionic surfactant	Not compatible

Application:

Dissolving method: ASCENT SOFT XL is dissolved by gradually adding while stirring 10-20 times its weight of water at 60-70' C stock solutions are very stable and can be diluted with water as required.



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ASCENT SOFT XL can be applied by both exhausts as well as padding method concentration would depend on type of fiber and the effect desired. The concentrations to be used are the following methods.

Application Methods:

Ascent Soft XL can be applied by exhaust as well as padding method:

(1) Exhaust application (Package m/c, Soft-flow m/c, Winch)

(A) Post conditioning of acrylic yarn especially in the final rinse of yarn dyeing m/c

Ascent Soft xl	0.5-2.5% (on weight of yarn)
Temperature	45 °C
pH	5-6.5
Time	20 - 30 min.

(B) Application on Knit fabric

Ascent Soft xl	1-2.5% (on weight of fabric)
Temperature	45 °C
pH	5-6.5
Time	20 - 30 min.

(C) Softening of garment (Wash-wheel)

Ascent Soft xl	1 - 2.5% (on weight of garment)
Temperature	45 °C
pH	5-6.5
Time	20 - 30 min.



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(2) Padding Application (For cotton, polyester or its blends)

Ascent Soft xl	20 - 30 gm/lit.
pH	5-6
Pad-Dry-cure at 120-160°C	

(3) Stone washed garments/jeans

Ascent Soft xl 3-5% in the last ringing bath	
pH	5-6
time	15-30 mins
Then hydro extract and dry in the tumble layer	

Packing : 50 kg Container

ASCENT CATASOFT 100 - (100% Cake Typ cationic Softener) Also available for specify customers



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