

Wetting & SCOURING AGENT

1. Ascent EMUL processes - highly concentrated Low-foaming padding auxiliary for continuous and semi-continuous dyeing wetting and deaerating agent for dyeing from long liquors.
2. Ascent Wet XL - Fast wet
3. Ascent Mercer XL-LF - Low foaming mercerizing and Scouring agent
4. Ascent Scoured-25 -Scouring Agent
5. Ascent SJ 100 - Best Scouring Agent
6. Ascent Scournt -100 - Scouring Agent economical
7. Ascent AK Antifoam serials - Silicone based defoamer
8. Ascent Defoamer/Deaerating Agent - Based On Nano Silica Polymeric Agent
9. Ascent Acid Buffer
10. Ascent leveler

1. Ascent EMUL

Introduction:

Ascent EMUL is highly concentrated solvent-based emulsifying and wetting agent. It is recommended for scouring process of all fibers. It removes all hydrophobic and oily impurities from fabric at low temperature. Ascent EMUL is recommended for batch process.

The most outstanding effects of Ascent EMUL

- Excellent scouring agent with good wetting and detergent action.
- Removes oily contamination and sizes of all types producing a high degree of purification and good absorbency
- It works excellent at low temperatures also

Properties:

Appearance	Clear, colorless to light yellow
Chemical character	Fatty alcohol alkoxylates and solvent
Ionic nature	Nonionic
pH (1% dilution)	7
Stability to hard water	Good



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Compatibility with:

Anionic/nonionic/ cationic substance	Good
Foam formation	Moderate

Mode of action :

Ascent EMUL wets out, washes, extracts, emulsifies, disperses and makes impurities soluble/removable in all suitable continuous and discontinuous stages of pretreatment. Ascent EMUL has an emulsifying effect even at room temperature, e.g. on mineral oil contamination, so that it becomes readily removable by subsequent hot rinsing.

Application:

Scouring:

- 5-30g/l Ascent EMUL
- 40-60g/l caustic soda (100%)
- Pad the fabric with above recipe at 70-80% pick-up and steam for 10-20 min. Then give hot rinse and cold rinse in compartmental washing units

Discontinuous: (liquor ratio 1:8-1:20)

- 2-5g/l Ascent EMUL
- 2-4g/l soda ash or 3-8g/l caustic soda 100%
- Heat to boil, hold 30-60 min. Give one hot rinse and one cold rinse.

Storage & handling precautions:

- Store in a cool/dry place
- Avoid storing in direct sunlight
- The shelf life of Ascent EMUL is one year, if storage temperature is below 30°C
- The usual storage, handling, usage and safety precautions should be observed

PACKING : 50KG CORBOY / 200 KG HDP BARREL



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2. Ascent Wet XL - Fast wet

Introduction:

Ascent Wet XL Provide a wide variety of functional properties that include surface and interfacial tension, reduction, wetting, dispersing, emulsifying, penetrating, and solubilizing.

The most outstanding effects of Ascent Wet XL:

- Excellent good wetting and scouring agent with and detergent action.
- Ascent Wet XL is suitable for use in a broad range of applications such as wetting agents, detergents.
- As well as, emulsifiers/dispersants in water treatment, paint, ink and polymerization formulations.

Properties:

Appearance	Clear, colorless to light yellow
Chemical character	dialkyl sulfosuccinates and solvent
Ionic nature	Nonionic
pH (1% dilution)	7
Stability to hard water	Good

Compatibility with:

Anionic/nonionic/ cationic substance	Good
Foam formation	Moderate

Mode of action :

Ascent Wet XL wets out, washes, extracts, emulsifies, disperses and makes impurities soluble/removable in all suitable continuous and discontinuous stages of pretreatment

Ascent Wet XL has an emulsifying effect even at room temperature, e.g. on mineral oil contamination, so that it becomes readily removable by subsequent hot rinsing.



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Application:

In systems outside this range, they are subject to hydrolysis. Their rates of hydrolysis

Increase rapidly in highly acidic and alkaline systems and accelerate when accompanied by elevations in temperature. In certain applications, hydrolysis can be used advantageously to prevent re-wetting after initial wetting has been accomplished.

Scouring:

5-30g/l Ascent Wet XL

40-60g/l caustic soda (100%)

Pad the fabric with above recipe at 70-80% pick -up and steam for 10-20 min. Then give hot rinse and cold rinse in compartmental washing units

Discontinuous: (liquor ratio 1:8-1:20)

2-5g/l Ascent Wet XL

2-4g/l soda ash o 3-8g/l caustic soda 100%

Heat to boil, hold 30-60 min. Give one hot rinse and one cold rinse.

Storage & handling precautions:

Store in a cool/dry place , Avoid storing in direct sunlight , The shelf life of Ascent Wet XL is one year, if storage temperature is below 30°C. The usual storage, handling, usage and safety precautions should be observed

PACKING : 50KG CORBOY / 200 KG HDP BARREL

3. MERCERIZING (LF-WETTING) AGENT

Ascent Mercer XL

Introduction:

Ascent Mercer XL is an anionic wetting agent and stable to highly concentrated alkali solutions used in mercerizing. It is an extremely low foaming, mercerizing wetting agent with iron binding capacity.

The outstanding wetting power of Ascent Mercer XL assists problem free mercerization of grey cotton yarn and woven fabrics.

The Features of Ascent Mercer XL:

- *Increases luster*
- *Produces a soft handle*



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- Ensures high and even shrinkage
- Increases the depth of dyeing
- Ensures perfect penetration even with tightly woven fabrics
- Low foaming and simple handling

Properties:

Appearance	semi liquid
Chemical character	Aryl sulphonate
Ionic Nature	Anionic
Solubility	Readily soluble in water
pH (on 1% solution)	8 ± 1
Foaming character	Low foaming

Stability in:

Hard water	Good
Alkalis	Stable in 35°Be NaOH

Compatibility with:

Non-ionic surfactant	Generally very good
Anionic surfactant	Selective, some reduce the efficacy of the enzyme
Solvent based surfactant	Selective, some reduce the efficacy of the enzyme
Organic sequestrates	Generally good



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Application Method:

Ascent Mercer XL is added to the mercerizing liquor and mixed well. The amount of Ascent Mercer XL to be used:

Cotton grey yarn
Ascent Mercer XL : 4-5 gm/l

Grey cotton woven fabric
Ascent Mercer XL : 4-5 gm/l

Scoured cotton fabric
Ascent Mercer XL : 2-3 gm/l

Storage & handling precautions:

Store in a cool/dry place

Avoid storing in direct sunlight

The shelf life of Ascent Mercer XL is one year

The usual storage, handling, usage, and safety precautions should be observed

PACKING : 50KG CORBOY / 200 KG HDP BARREL



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ASCENT SCOURING AGENTS:

Scouring Agent is used to remove naturally derived impurities adhering to fibers and textiles, oil and paste that adhered to fibers in the spinning process, etc. It reduces troubles in the process of dyeing and finishing. Soaping Agent is used to wash out residual dye, dyeing auxiliaries, oil etc. after dyeing process.

Classification / Applications	Product Name	Features
Scouring Agent	ASCENT SCoured 25	<ul style="list-style-type: none"> - Readily soluble in cold water. - Highly detergent. - Realizes excellent handling after scouring / soaping.
Low-foaming Scouring Agent	ASCENT SJ 100	<ul style="list-style-type: none"> - Balances low-foaming property with permeability, emulsifying and degreasing capability. - Reduces foam troubles in the use of circular dyeing machine.
Low-foaming Scouring Agent	ASCENT SCOURNT 100	<ul style="list-style-type: none"> - Excellent in both stabilizing ability of hydrogen peroxide and scouring capacity. - Best suited for scouring and bleaching by circular dyeing machine because of low-foaming property.
Scouring Agent for continuous scouring of cotton	ASCENT SCOURNT ALL	<ul style="list-style-type: none"> - Excellent in permeability, degreasing capability and alkali resistance. - Usable in combination with peroxide desizing agent . - Suitable for continuous scouring and kier boiling.



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ASCENT DEFOAMER (AK SERIALS) (Defoamer for textile)

Introduction:

Ascent Defoamer is a silicone defoamer for textile wet processes, especially for dyeing machines with high liquor turbulence and can be used in all types of jets as well as other dyeing apparatus and many other effluent treatment plants of various industries like Medicine, Paper, fertilizer etc.

Advantages:

- Ascent Defoamer is a eco-friendly chemical
- Compatible with chemicals and easily handled
- Highly effective foam removal
- odorless
- Non toxic and Non-flammable

Properties:

Appearance	White Thick Liquid
Solubility	Aqueous forms milky white emulsion
pH	7-8
Nature	Non-Toxic Anionic

Preparing Emulsion:

Prepare 2 to 5 GPL solution with hot water (60-70°C)

Uses:

Ascent Defoamer is prediluted with water whilst stirring and is added to the liquor at the beginning of the process. The defoaming effect generally lasts for the whole process. If, however, an additional charge is necessary, it is added in the same way as the first charge.

In order to achieve an optimum effect it is important to add the defoamer separately to the liquor. It is essential to avoid blending the defoamer with other components in the formulating tank.

Packaging:

Defoamer is packed with 50 kg or 200 kg packing.



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LEVELLING AGENT (Ascent Leveler)

Introduction

Ascent Leveler is low foaming leveling agent for high temperature dyeing of polyester. During polyester exhaust dyeing, Ascent Leveler increases the solubility of disperse dyes, which ensure a better distribution of the dyes during the heating phase.

Ascent Leveler is used for dyeing mainly polyester but can also be used for acetate, triacetate and polyamide fibers with disperse dyes.

Ascent Leveler can also be used for the following processes:

- Can be used to lighten the dyeing
- Can also be used as an auxiliary during stripping of dyes in reductive baths
- Can also be used as an auxiliary during stripping of dyes in reductive baths

Properties

Appearance	Clear, yellowish viscous liquid
Chemical Character	Alkyl polyglycol ether
Ionic Character	Nonionic
Specific gravity	1.05
pH (1.0% Solution)	7 - 8
Dilutability	Dilutable in all proportions with water
Foam formation	Moderate to average according to the machines

Application

Exhaust application (During dyeing)

In order to achieve better result, it is recommended to combine Ascent Leveler in the recipe with an anionic dispersant such as Ascent Disperse DX.



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Dosage

Ascent Leveler	0.2% - 0.5%
Ascent Disperse DX	0.5% - 1.0%

During washing-off or reduction clearing

Along with the washing-off or reduction clearing recipe, Ascent Leveler removes the unfixed disperse dyes rapidly and thoroughly.

Storage & Handling Precautions

- Avoid storing in direct sunlight
- The shelf life of Ascent Leveler is one year if stored below 40°C
- The usual precautions in keeping chemicals away from eyes and skin should be observed

Packaging: 50 kg or 200 kg packing



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