



**COMET PERFORMANCE  
CHEMICALS PVT. LTD.**  
*A Complete Chemical Company*

Contact



Product  
**Booklet**

**COMET PERFORMANCE  
CHEMICALS PVT. LTD.**

📍 B - 701/710 Mondeal Heights,  
Opp. Karnavati Club, SG Road,  
Ahmedabad - 380 015

☎ +91 79 40404747

✉ info@cometgroup.in

🌐 www.cometgroup.in

coronation.in



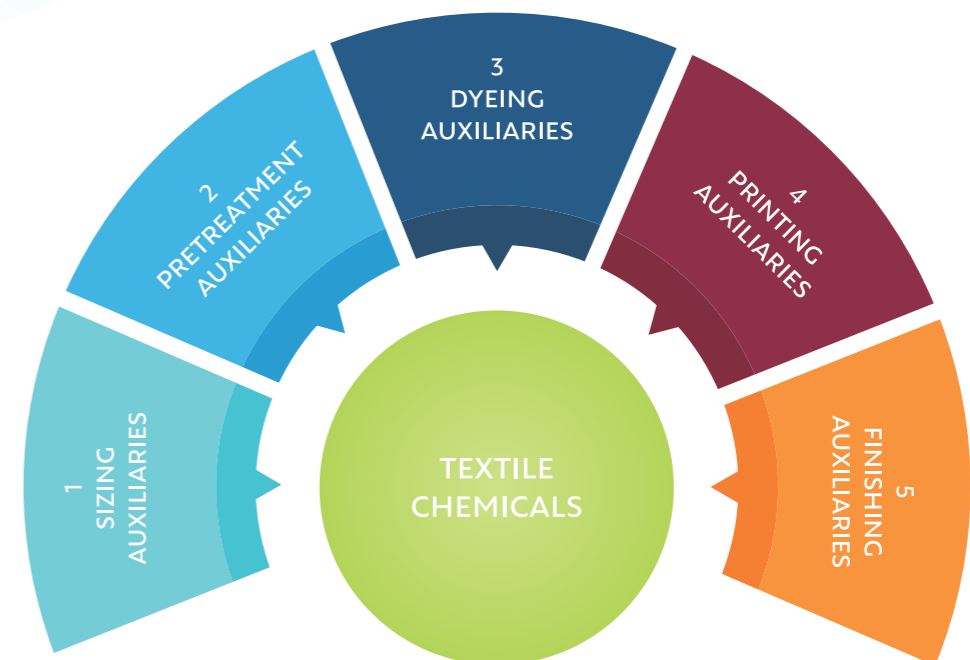
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# Introduction

**Comet Performance Chemicals** is one of the leading companies based at Ahmedabad and actively engaged in the field of formulation, synthesis and distribution of dyes, chemicals, auxiliaries for textile industries since 1979. Through our consistent efforts, excellent services, positive attitude and innovative approach, today our presence is marked in field of sizing, pretreatment, dyeing, printing, finishing as well as coating. **Comet** is well appreciated by customer because of committed products developed for them through team work of technically qualified product development & marketing personnel.



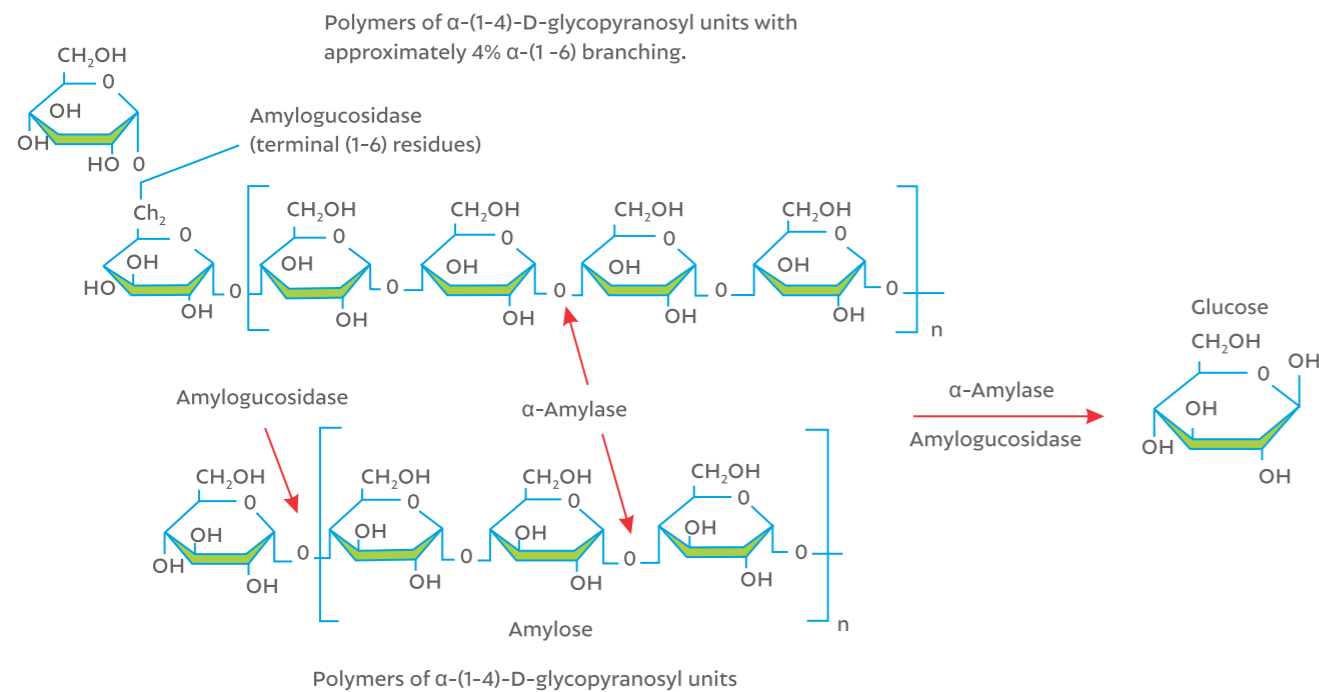




## Sizing Agents

<b>ARRON UNISIZE RF</b>	Single Shot Starch based Sizing Product for Cotton Yarn
<b>ARRON UNISIZE ZX</b>	Single Shot Starch based Sizing Product for Denim
<b>ARRON UNISIZE VR</b>	Single Shot Starch based Sizing Product for Cotton and Polyester Cotton Blended Yarn
<b>ARRON UNISIZE FCX</b>	Single Shot Starch based Sizing Product for Fine Count Yarn
<b>ARRON UNISIZE MCX</b>	Single Shot Starch based Sizing Product for Medium Count Warp Yarn
<b>ARRON ACRYBIND 1000</b>	High Performance Sizing Binder
<b>ARRON TEX SOFT</b>	Sizing Softener
<b>ARRON UNISTAR</b>	Polymeric Binder
<b>ARRON ECO SAFE</b>	PVA Free Polymeric Binder

# Enzymes



## Desizing Enzymes

<b>ARRON HT40L</b>	Alpha amylase based for low-medium temperature conventional desizing
<b>ARRON SIZE LT 100</b>	Alpha amylase based for low-medium temperature conventional desizing
<b>ARRON SIZE LT 250</b>	Heat-stable alpha amylase based for high temperature desizing
<b>ARRON SIZE 400</b>	Alpha amylase based for low-medium temperature desizing

## Bioscouring Enzymes

### ARRON REDOX

Bioscouring enzyme designed specially for complete removal of pectin, oil, wax & dirt from raw cotton under mild conditions during the scouring process for wovens

### ARRON SCORET FLOW

Low to medium temperature scouring enzyme at neutral pH for saving of water, energy & time for knits

## Biopolishing Enzymes

### ARRON SEBRITE ECO

Acid Cellulase based concentrated product for bio-polishing cotton, blended fabric and garment

### ARRON BIO CLEAN

Acid Cellulase based concentrated product for bio-polishing cotton, blended fabric and garment

### ARRON CODE 100

Acid Cellulase based concentrated product for bio-polishing cotton, blended fabric and garment

### ARRON BX 41 ( ACID )

Acid Cellulase based concentrated product for bio-polishing cotton, blended fabric and garment

### ARKEM WSD

Neutral Cellulase for bio-polishing cotton, blended fabric and garment

# Wetting Agents

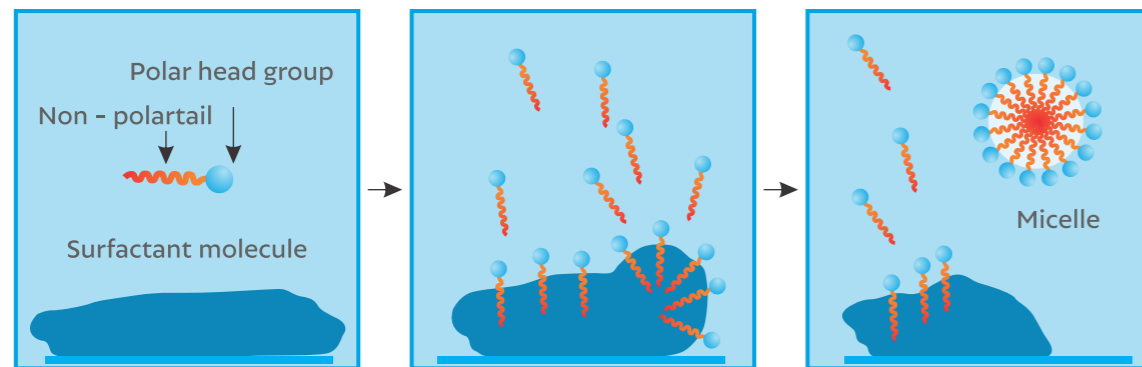
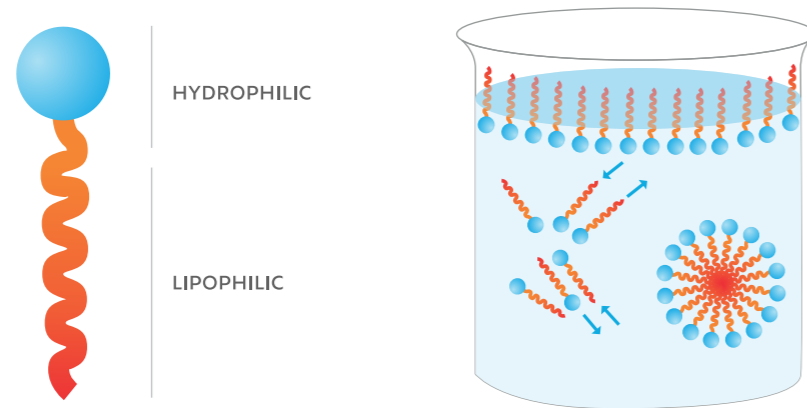


Fig. 2 : Cleaning action of surfactants

## Mercerising Agents

**ARRON MC** Low foaming wetting agent for mercerizing and causticizing cotton

**ARRON MCWA** Excellent wetting agent for mercerizing and causticizing, thereby promoting the rapid penetration of caustic in cotton

## Scouring & Wetting Agents (Exhaust Application)

**ARRON COWET** Low foaming wetting agent and detergent for use in textiles.

**ARRON COWET HP** High emulsifying, dispersant and stabilizer for peroxide bleaching

**ARRON COWET SD** APEO free multifunctional, low foaming detergent and wetting agent with emulsifying and extractive action

**ARRON COWET 250** APEO free low foaming detergent and wetting agent with emulsifying and extractive action

**ARRON COWET 200** APEO free low foaming detergent and wetting agent with emulsifying and extractive action

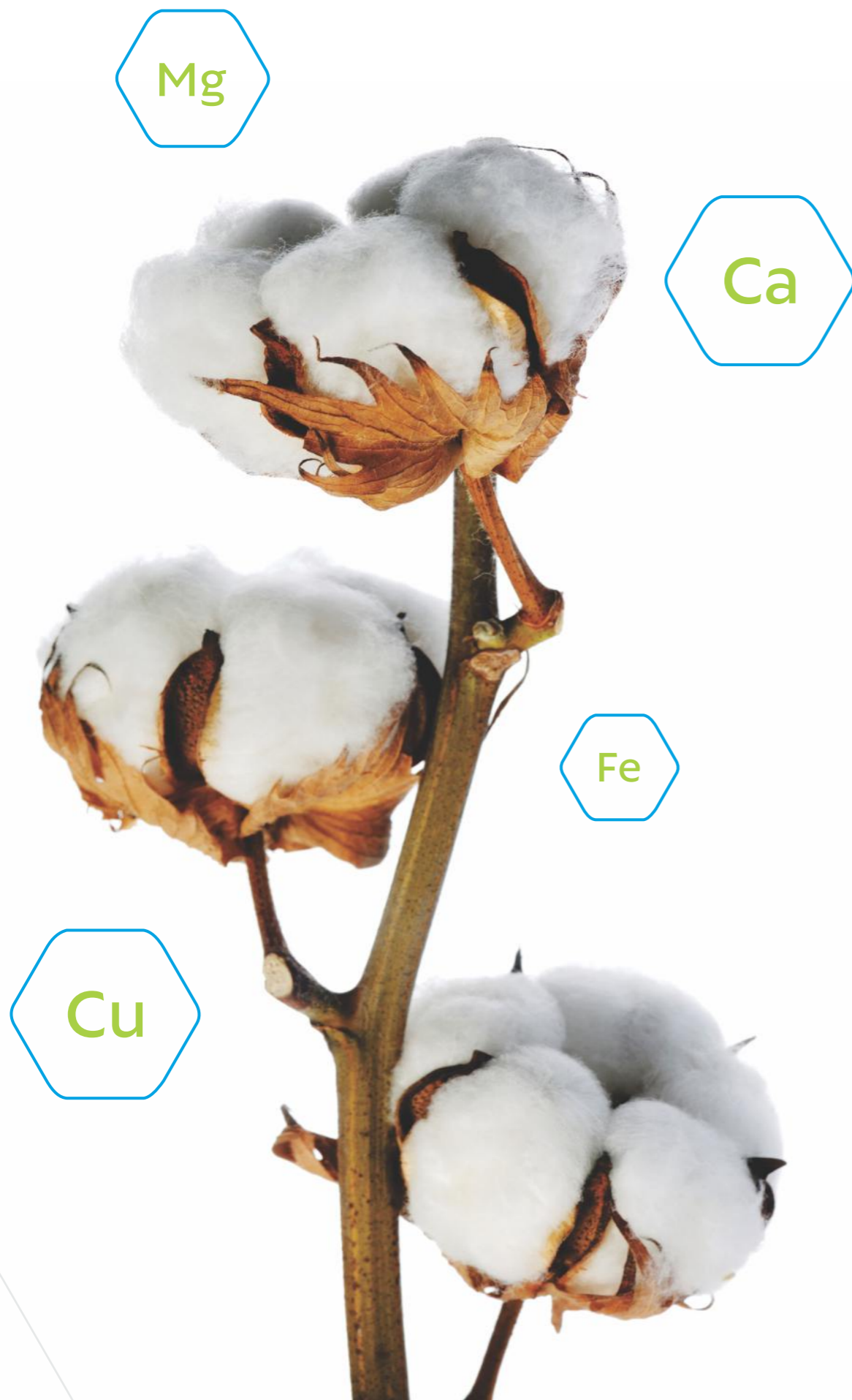
## Scouring & Wetting Agents (Continuous Application)

**ARRON FLOWET 32** Low foaming detergent & wetting agent for woven and knitted fabrics during scouring, bleaching and washing in jets and soft flows

**ARRON FLOWET MAX** Low foaming detergent & wetting agent for woven and knitted fabrics during scouring, bleaching and washing in jets and soft flows

**ARRON COWET LY** Low foaming detergent & wetting agent for woven and knitted fabrics during scouring, bleaching and washing in jets and soft flows





# Sequestering Agents & Stabilizers

## Stabilizer for Peroxide Bleaching

ARRON COSTAB TX

Organic stabilizer for silicate-free, alkaline peroxide bleaching of cellulosic fibres and blends by continuous and batch process

ARRON COSTAGEN PL

Organic stabilizer for silicate-free, alkaline peroxide bleaching of cellulosic fibres and blends by exhaust process and rope bleaching. Capable of dispersing salts and colloids

ARRON S4

Stabilizers for all pretreatment process. Controls process at high alkaline pH thereby, efficiently preventing deposition & precipitation during peroxide bleaching

## Sequestering Agents

ARRON SQ- ED

Sequestering agent for chelation of iron while desizing and peroxide bleaching without affecting any other parameters

ARRON SQ- SB

Sequestering for chelation of calcium and iron during peroxide bleaching. Imparts whiteness and stability for the full white fabrics

ARRON DXO

High power sequestering agent for extracting  $Fe^+$  ions and masking of hardening element from cellulose fibre

# Optical Brighteners

## Optical Brightening Agents

ARRON BRIGHT High Substantive OBA for cellulosic fibres and its blends

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ARRON SI LIQUID Medium Substantive OBA for cellulosic fibres and its blends

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ARRON BLOW Medium Substantive OBA for cellulosic fibres and its blends

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ARRON ST LIQUID Low Substantive OBA for cellulosic fibres and its blends

## Peroxide Killer

ARRON PK Removes residual peroxide from the bleach before dyeing with reactive or direct dyes

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ARRON KILL RL Enzymatic bleach clean up auxiliary for removal of residual hydrogen peroxide from substrate







# Dyeing Auxiliaries

## Levelling Agents for Cellulosics

### ARRON LEVELLOLAD

Versatile dyeing auxiliary to improve the levelness in dyeing of wool and cellulosic fibres

### ARRON SCORET LEVEL C

Dye bath conditioner that enhances dye depth and ensures patch free dyeing

### ARRON EXO DBC

Dye bath conditioner for cellulosic dyeing

## Sequestering & Dispersing Agents for Dyeing

### ARRON SCORET LEVEL S

Dispersing, sequestering agent with helps to create protective colloid in the dyeing of cotton and cotton/synthetic fiber blends with vat, reactive, direct and sulfur dyes. Having non-foaming and non-retarding properties

### ARRON SQ

Dispersing agent, with helps to create protective colloid and complexing agent for use in all stages of the dyeing process for cotton and its blends

### ARRON WS

Dispersing agent, with helps to create protective colloid of vat & indigo dyes

## Washing off Agents

**ARRON COWASH LWD PLUS** Universal after soaping agent for the removal of reactive dye hydrolysate. It has unique dye hydrolysate trapping capacity & shortens presoaping rinsing baths giving savings of water & energy

**ARRON SCORET MIGRO** Unique Probiotic Soaping Agent for dyed cotton / cellulose / viscose / blend fiber, yarn and fabric that offers several value additions. It is fully biodegradable and not enzyme based

**ARRON DTI** After clearing & soaping agent for reactive dyeing & printing with fewer wash baths at low temperature thereby saving time, energy & water

**ARRON RECLAN CWK** After clearing & soaping agent for reactive dyeing & printing with fewer wash baths thereby saving time, energy & water

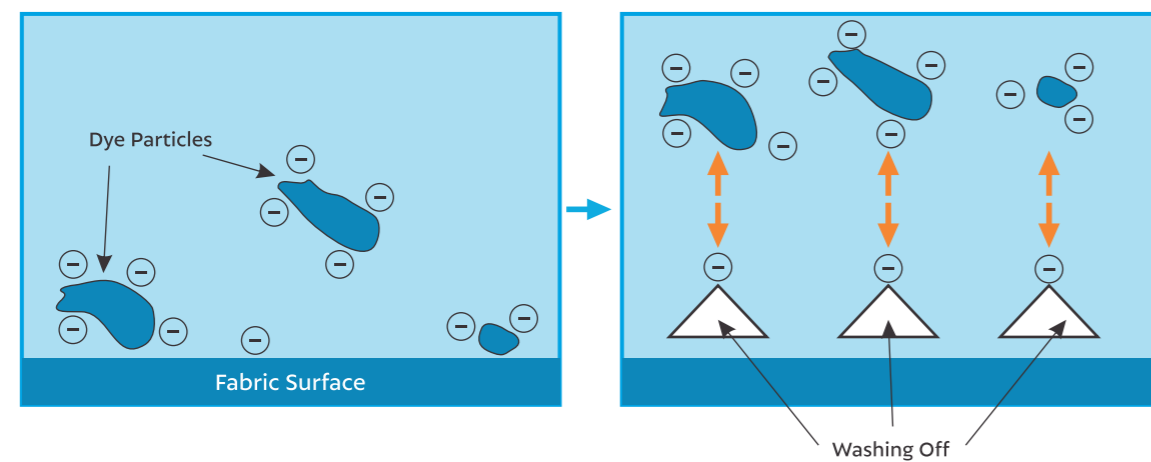


Fig. : Anti - redeposition agent Washing Off acting on the fabric surface

## De-aerating Agents

**ARRON COWET NF** Low foaming padding auxiliary for continuous and semi continuous dyeing process

**ARRON AP** Antifoaming and De-aerating agent for use in all printing system

**ARRON CIR** Circulating liquor for machine (for yarn dyeing)

## Dye Bath Lubricants

**ARRON LUB CY** Low foaming lubricant for polyester & cotton

**ARRON LUB JET** Universal lubricant for crease inhibition

**ARRON LUB PE** Highly effective lubricant for polyester

## pH Regulator

**ARRON EXO R1** Maintains pH 4.5 for Polyester

**ARRON EXO R2** Maintains pH 5.5 for reduce reactive dye hydrolysis

**ARRON EXO I1** Maintains pH 11.5 for indigo dyeing process

**ARRON EXO I2** Maintains pH 11.2 for soda ash replacement. Easy handling for reactive dyeing



# Printing Auxiliaries



## Synthetic Thickening Agents for Pigment Printing

ARRON CTC 2000	Low viscous readily pourable suspension
ARRON CTOP	Enhances softness to the pigment print without flushing
ARRON COPRINT 15	Low viscous readily pourable suspension
ARRON CTC 400	Polymeric thickener for aqueous pigment printing
ARRON CT PRINT	Thickener for achieving better colour value and feel

## Binders for Pigment Printing

ARRON ETVS PREMIUM	Binder for good wetting & dry rubbing fastness
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## Binders for Khadi Printing

ARRON PASTE FB T	Binder for khadi printing on synthetic blended fabrics. It is resistant to carbonisation and gives dazzling whiteness
ARRON CO-PASTE FSW ECO	Titanium dioxide in an aqueous stretchable acrylic binder system ready to use elastic white paste having good covering properties

## Polymeric Crosslinking Agents

**ARRON FIXER LF** Fixer for pigment printing

## Soft Printing

**ARRON SOFT S** Softener, improves fastness giving high quality pigment prints having soft handle & high dry rubbing fastness. Improves colour brilliancy

**ARRON PGLF** Crosslinking agent for improving the wash and rub fastness of pigment prints on synthetic fibres and regenerated cellulose and on their blends with cotton. For prints with a low formaldehyde content. Suitable for Oekotex requirements

**ARRON FILO FDS** A unique pigment printing auxiliary with imparts high standards of prints having increased softness and depth

**ARRON CF** Improves fastness of prints and running properties of paste.

## Pigment Discharge Agents

**ARRON TENSO LIQ.** Reducing and discharging agent for pigment discharge printing.

## Discharging Agent for Resist Printing

**ARRON RAPIDCHARGE RL** Discharging agent which helps in eating up the over colour and/or destroying it chemically

**ARRON RAPIDCHARGE DM** Powerful discharge system for denim. Easy to get coloured discharge as the indigo once discharged doesn't come back

## Synthetic Thickening Agents for Reactive Printing

**ARRON RFT** Synergetic combination of thickeners

**ARRON OXY GRAINS** Substitute of conventional oxidizing agent in granular form

**ARRON PENITROL** Dearating agent for all printing systems & improves the penetration giving more levelled prints

## Dispersing & Levelling Agents

**ARRON PRX** Advanced dye levelling and dispersing agent

**ARRON LRX** Versatile in application and works very well across cotton / linen / viscose / woollen and their blends



# Finishing Auxiliaries



## Micro Silicone

ARRON FINISH 55

Amino modified micro emulsion for inner softness

ARRON FINISH 300

Concentrated amino micro emulsion for inner softness

ARRON FINISH 520

Economically amino modified micro emulsion for inner softness

## Macro Silicone

ARRON FINISH 500

Concentrated non ionic silicone softener to get soft silky finish with surface smoothness on cellulosics and its blends

ARRON ULTRASIL 60

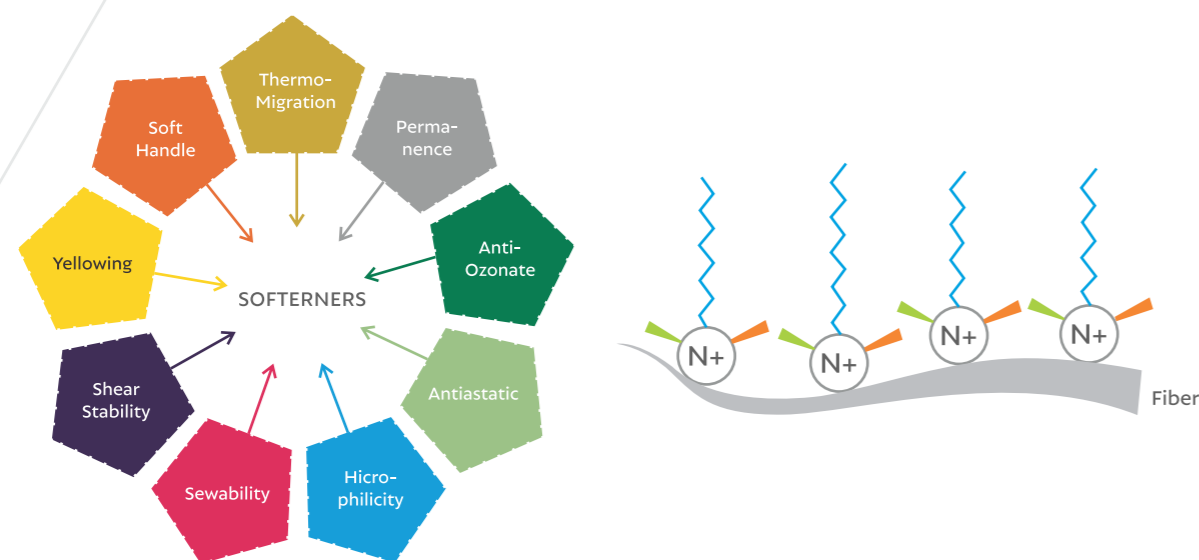
Macro silicone emulsion to get silky finish & bounciness

ARRON FINISH 320

Macro silicone emulsion for all fibers and their blends

ARRON HF 50

Elastomeric macro silicone emulsion for all fibers and their blends. Gives extremely soft and slippery feel



### Hybrid Silicone

**ARRON ARSIL AB CCH** Micro-silicone for smooth finish with excellent drape on all fibre types

**ARRON FINISH 900** Concentrated silicone for luxurious soft, smooth and bouncy feel

**ARRON SMWP** Concentrated silicone provides body with luster & smooth feel

**ARRON FINISH 350** Elastomeric macro silicone emulsion for all fibers and their blends

### Hydrophilic Silicone

**ARRON WET 150** Hydrophilic nonionic silicone for Soft, Silky and hydrophilic finish, specially for knitted & terry towel

**ARRON HYDROPHIL ULTRA** Concentrated, high shear stable silicone softener that can be used for achieving durable voluminous handle along with surface smoothness on all types of fibres

**ARRON HYDROPHIL 80** Concentrated, high shear stable silicone softener

### Cationic Softener

**ARRON SS** Cationic Softener to get soft silky finish on cellulose and its blends

**ARRON CSS** Concentrated cationic softener to get soft silky finish on cellulose and its blends

**ARRON CAT 100** Cold water soluble, concentrated cationic softener with high performance for soft & smooth finish for all fibre

**ARRON CF** 100% cold water soluble cationic softener in flakes form to get soft silky feel for all fibre

**ARRON CAT SI** Concentrated cationic flakes for soft & smooth finish especially suitable for suiting, shirting and dress material

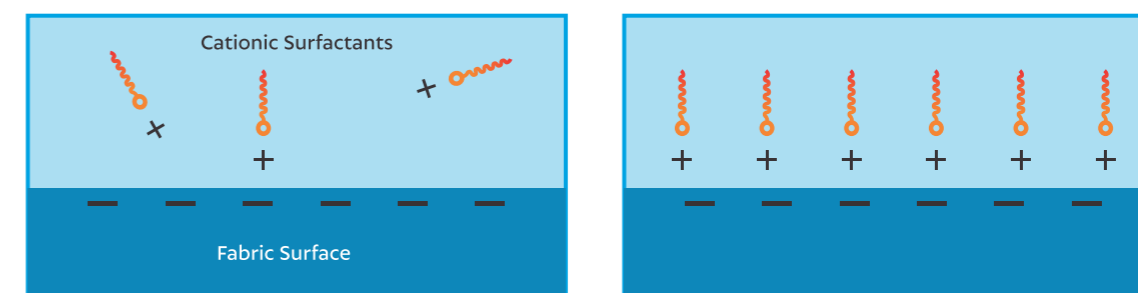


Fig. : Molecules of fabric softener align at the fabric surface

### Non Ionic Softener

**ARRON NIS** Concentrated non ionic softener with non yellowing, soft & silky finish

### Reactive Softener

**ARRON RSN** Economical concentrated non yellowing weakly anionic reactive softener which imparts soft & bulky finish to the fabrics



