

# INDEX TO TEXTILES AUXILIARIES

1st Edition / November 2010

## CROSANOL

### Crosanol PPTAPE

*Polypropylene tape lubricant, water soluble, high level of static control*

Highly active blend of nonionic lubricants & antistatic agents, designed for the lubrication of polypropylene tapes which will be woven into carpet backing fabrics & sacks.

( liq. - N )

*Polypropylene tape*

### Croslube PP-WTB

*Lubricant for polypropylene tapes specifically used in manufacturing bags and packaging*

Crosanol PP-WTB is designed to be applied in dilution for the lubrication of polypropylene tapes, which will be woven into bags and packaging.

( liq. - N )

*Polypropylene*

## CROSCARRIER

### CROSCARRIER NTC

*Carrier for the dyeing of polyester and its blends; very low odour & low toxic*

Low odour, low toxic carrier suitable for dyeing polyester and its blends in atmospheric & pressure dyeing machines. Provides excellent levelness and exhaustion of dyes with no retention of carrier smell. Extremely suitable for Polyester/Wool blends.

( liq. - A )

*Polyester, Polyester/Wool blends*

## CROSCOLOR

### Croscolor 199

*Cationic migrating agent for dyeing of acrylic fibres*

A cationic migrating agent for acrylic fibres dyed with modified and conventional basic dyestuffs. It can be used as an 'in bath' migrating agent and for the correction of faulty dyeings.

( liq. - C )

*Acrylic*

### Croscolor 300

*Retarding agent for vat dyes*

A special product designed as a retarding agent for vat dyeing, with good scouring properties.

( liq. - N )

*Cellulosics & Cotton*

### Croscolor ADM

**GOTS**

*Multifunctional dye bath auxiliary, leveller for difficult reactive/direct shades, lubricates fabric.*

A multifunctional dyeing auxiliary for use in reactive dyeing of cellulosics. Provides exceptional levelling properties particularly on difficult shades. Contains lubricants and will aid dye dispersion and fabric cleanliness

( liq. - A )

*Cellulosics*

### Croscolor ALE

*Levelling agent for anionic dyestuff*

An efficient levelling agent for dyeing cellulosic fibres with anionic, vat, sulphur, direct and reactive dyes. Contains special emulsifiers and dispersing agents to remove unfixed dyes or pigments and maintain them in suspension in the bath

( liq. - N )

*Cellulosic fibres*

### Croscolor ARA

*Acid donor for the dyeing of wool, nylon and their blends; maintains ideal dyebath pH, promotes level dyeing.*

Acid donor for controlling the pH value of the dyebath during the application of acid dyestuffs to Wool, Nylon and their blends. By controlled lowering of pH during the dye cycle, full, level dyeings can be achieved without fear of rapid dye strike leading to streakiness.

( liq. - N )

*Wool, Nylon & their blends*

### Croscolor ARI

*Oxidising agent*

Auxiliary that prevents the reduction of sensitive direct & reactive dyestuff during dyeing and printing of cellulosics.; may also be used for the oxidation of vat dyes.

( grain - A )

*Cellulosics*

### Croscolor ASHS

*High stability - temperature / pH - silicone antifoam*

An universally applicable silicone based foam preventing and defoaming agent.

( liq. - N )

*All fibres*

### Croscolor BEX/2 NEW

*Silicone antifoam, suitable for all fibres and for direct addition to dyebath.*

Silicone based antifoam. Allows direct use with dosing systems. Stabilised formulation, can be added directly to the dye bath.

( liq. - A )

*All fibres*

### Croscolor BG

*Oxidative desizing - bleaching agent*

Based on standardised sodium persulfate used as oxidative desizing/bleaching agent.

( Powder )

*Cellulosic*

### Croscolor CF

*Cationic, formaldehyde based fixing agent for fastness improvement of direct dyes.*

A cationic resin employed as substantive dye fixative which greatly improves the wash fastness properties of direct dyestuffs. It is stable to strong salt solutions and is compatible with cationic finishes.

( liq. - C )

Cellulosics

### Croscolor CFRN

*Chlorine fastness improver for cotton reactive dyeing & printing*

The effect of Croscolor CFRN is based on the absorption of a substantive product by the fibre and the formation of a compound with the dyestuff- the result is the efficient improvement of dye fastness against the dulling effect of chlorine in the water.

( liq. - C )

Cellulose

### Croscolor DAP

*Traditional dispersing agent for dyeing of polyester*

Highly effective dispersing agent for disperse dyeings at both atmospheric and high temperatures up to 140°C. Gives a high colour yield.

( liq. - A )

Polyester & blends

### Croscolor DCM

*Reducing agent for sulphur dyeing*

A reducing agent recommended when dyeing with sulphur dyestuffs.

( liq. )

Cellulosics

### Croscolor DH2

*Migrating and levelling agent for acid dyes on wool and polyamide*

Migrating and levelling agent for wool and polyamide, particularly when dyeing with Pre-metallised dyestuffs. Can also be used for re-levelling, for reduction of depth of shade or for stripping before re-dyeing.

( liq. - C )

Wool & Polyamide

### Croscolor DNS

*Silicone and mineral oil free defoamer*

Defoamer that can be used effectively to reduce or prevent foam during preparation, dyeing and finishing processes.

( liq. - N )

All fibres

### Croscolor DRA

GOTS

*Liquid acid reduction clearing agent for polyester*

A reducing agent for acid reduction clearing of disperse dyes on Polyester during the cooling cycle. Cost effective reduction clearing possible with reduced water usage, time, energy and chemicals with no requirement for addition of alkali. Does not increase the tendency of polyester to release oligomer, non foaming, does not produce unpleasant odour and no risk of spontaneous combustion and thus safe in the effluent discharge.

• Can be used in all the usual dyeing machines as well as in jet machine as it is a non foaming product

( liq. )

Polyester

### Croscolor DRT

*Formaldehyde free fixing agent for direct and reactive turquoise dyeings and prints*

A formaldehyde free fixing agent designed for improving the wet fastness properties of direct, reactive (turquoise shade) dyeings and prints

( liq. - C )

Cellulosics & blends

### Croscolor FFR

GOTS

*Superior formaldehyde free fixing agent for reactive dyes, effective up to 95°C wash.*

Fixing agent for dyeings and printings with reactive dyes, which imparts excellent washing fastness properties.

( liq. - C )

Cellulosic fibres

### Croscolor FMP

GOTS

*Formaldehyde free reactive dye fixing agent*

Croscolor FMP is a totally formaldehyde free fixing agent designed for improving fastness to washing of reactive dyes on cellulosic fibres with a minimal effect on the light fastness and shade of the treated goods.

( liq. - C )

Cellulosics

### Croscolor G-MFB

*Polyamide dye reserving agent with in built low foaming properties*

Works by 'reserving' the polyamide components from becoming saturated with dyestuff in wool/polyamide dyeing with conventional acid dyes and specialised ranges, such as Sandolan MF dyes, making 'on-tone' dyeing possible..

( liq. - A )

Wool/Polyamide & blends

### Croscolor G-NR

*Anionic dye reserving agent*

It is designed to act as a reserving agent in wool/polyamide dyeing with acid dyes and wool/cotton dyeing with direct.

( liq. - A )

Wool/Polyamide and Wool/Cotton

### Croscolor G-OZ

*Multifunctional scour/dye assistant, eco-friendly solvent based, effective on most substrates*

Non-ionic surfactant, non-toxic, biodegradable organic solvent for scouring dirt, oil and waxes from all fibers, but particularly effective on wool, cotton and polyester. Its low foaming nature at operating temperatures allows its use in Jet type machines for scour/dyeing processes with no known adverse effect on the colour fastness properties of disperse dyed polyester.

( liq. - A )

All fibres

### Croscolor G-RE

*Biodegradable reducing agent for sulphur dyeing*

Is a biodegradable reducing agent for use in dyeing with sulphur dyestuffs. It helps to avoid "pre-mature" oxidation of dyestuffs leading to bronzing effect and poor rubbing fastness properties.

( Powder )

Cellulosics

### Croscolor HY-WET

*Low foaming wetting agent and detergent for bleaching and dyeing*

Fast wetting agent (cold and hot conditions), low-foam detergent for continuous and discontinuous bleaching and dyeing with all dyes. Stable in hard water and at high level of alkali and electrolytes.

( liq. - A )

Cellulosics & Blends

### Croscolor IW

*Superior concentrated dispersant, antiprecipitant and levelling agent*

A dispersing agent concentrate, which prevents precipitation of mixed ionic adducts when present in a single bath such as in multicomponent dyeing of Acrylic/Wool, Acrylic/Polyamide, Acrylic/Polyester, Acrylic/Cotton and Polyester/Cationic dyeable Polyester etc. Croscolor IW also works extremely efficiently as levelling agent for the dyeing of wool and polyamide with 1:1 metal complex dyes.

( Pellets - N )

All fibres in blend

### Crocolor IW LIQUID

*Superior liquid dispersant, antiprecipitant and levelling agent*

A dispersing agent, which prevents precipitation of mixed ionic adducts when present in a single bath such as in multicomponent dyeing of Acrylic/Wool, Acrylic/Polyamide, Acrylic/Polyester, Acrylic/Cotton and Polyester/Cationic dyeable Polyester etc. Crocolor IW also works extremely efficiently as levelling agent for the dyeing of wool and polyamide with 1:1 metal complex dyes.

( liq. - N )

All fibre blends

### Crocolor JAL

*Auxiliary for simultaneous soaping and oxidation in sulphur dyeing*

Is an agent which can simultaneously soap off and oxidise sulphur dyeing. It gives very good rubbing and wet processing fastness.

( liq. - N )

Cellulosics

### Crocolor JETBULK

*Modified silicone antifoam for high shear related application.*

Silicone based antifoam suitable for both atmospheric and high temperature applications. Suitable for atmospheric dyeing : skein dyeing, winch and paddle machines. Especially suitable for dyeing at high temperature and pressure : on jet, beamroll and package, without any risk of silicone spotting.

( liq. - N )

All fibres

### Crocolor LAM-A

*Speciality dispersant for azoic dye bath.*

A dispersing agent for Azoic dye bath that leads to streak free clean and full shades. It has excellent dye and particulate dispersing characteristics which makes it suitable for other applications such as Stone washing and general dyeing of textile substrate. Stable to usual dyebath additives and suitable for automatic dosing. Has excellent anti-deposition properties.

( liq. - A/N )

Cellulosics

### Crocolor LEC NEW

*Strong retarder for acrylic dyeing*

Fibre substantive auxiliary with strong retarding properties for use with cationic dyestuffs on acrylic fibres.

( liq. - C )

Acrylic fibres

### Crocolor LFW-SN

GOTS

*Low foaming wetting agent; helps sink fabric during loading*

A low foaming wetting agent for use in a wide variety of batchwise and continuous preparation, dyeing and finishing operations. Stable to low pH's (down to pH 2) and alkalis (up to 25 g/l caustic flake). Silicone free. Exceptionally useful for sinking fabric during machine loading.

( liq. - A )

All fibres

### Crocolor LNP

*Amphoteric leveller for use with neolan p dyes*

Has been specifically developed as a levelling agent for the application of Neolan P dyes to wool. Gives controlled dye strike and level build up leading to excellent final shade.

( liq. Amph. )

Wool

### Crocolor LRM-NEW

*Non blocking migrating and retarding agent for basic dyeing of acrylic*

Dyeing auxiliary with good affinity to fibres, combining ideal migrating and retarding properties when dyeing acrylic with cationic dyes. Modified formulation ensures very low odour.

( liq. - C )

Acrylic fibres

### Crocolor LSP

*Levelling/ anti-barriness agent for polyamide*

Levelling agent designed for the dyeing of polyamide with acid dyestuffs below boiling temperature. Has the ability to help overcome physically induced differences within polyamide fibre (BARRINESS) by promoting levelness and uniformity during dyeing. Good built-in detergency further helps in keeping substrate clean.

( liq. - A )

Polyamide

### Crocolor LWP

*Amphoteric leveller for lanaset and metal complex dyes.*

Pseudo-amphoteric levelling agent specially designed for use with "Lanaset" dyes on wool and its blends. Also suitable for use with CROSCOLOR G-NR/G-MFB when dyeing wool/nylon blends. Provides a good levelling function across a whole range of 1:2 metal complex dyes.

( liq. - Ampho )

Wool & its blends

### Crocolor MDSA

GOTS

*Deaerating and wetting agent for all fibres and processes*

Crocolor MDSA is a powerful general purpose deaerating and wetting agent with durable antifoaming properties, designed for use in all wet processing operations. It is effective both as an antifoam and a defoamer even in high turbulence machines.

( liq. - N )

All fibres

### Crocolor M-DUP

*Low foaming levelling/dispersing agent for polyester dyeing*

Crocolor M-DUP is a special auxiliary which ensures optimum migration and levelling throughout the dye cycle at any temperature (low and high temperature range).

( liq. - A/N )

Polyester

### Crocolor MF-AP

GOTS

*Multifunctional auxiliary with dispersing, levelling and anti precipitating functions*

Powerful dispersing agent which is suitable for use as an anti-precipitant, and levelling agent for 1:2 premetallised dyes.

( liq. - N )

Wool, Wool/Polyamide, Wool/Acrylic, Polyamide

### Crocolor NAO

*Dyeing aid and oligomers removal auxiliary*

Dyeing auxiliary designed for the control of oligomers in the dyeing of polyester. It also helps to disperse the dyestuffs.

( liq. - N )

Polyester

### Crocolor NJA

*Hydrocarbon based antifoam, specially suited for high turbulence machinery, fully emulsifiable in water and free of spotting.*

Is a highly active, silicone free antifoam based on a mixture of oils and low foaming emulsifiers. It is designed for use in a variety of textile wet processing applications.

( liq. - N )

All fibres

### **Croscolor NLD**

*Foam free dye bath lubricant, for cellulosic and synthetic, free rinsing, dyebath safe.*

NLD in the dyebath help reduce F/F and F/M friction which in turn helps to eliminate fabric creasing during wet processing. The product is inherently foam-free in nature which makes it eminently suitable for all types of machines, including high turbulence jet dyeing machinery. It is suitable for use with most classes of dyes with no effect on dye yield.

( liq. - NI )

All fibers

### **Croscolor NLSP**

*Anionic levelling agent for polyamide dyeing with acid and metal complex dyes*

Croscolor N-LSP is a levelling agent for dyeing polyamide with acid and 1:2 metal complex dyes.

Combining affinity for both fibre and dye, it promotes both migration and levelness and helps to overcome barriness. Its surface active nature further helps in its performance.

( liq. - A )

Polyamide

### **Croscolor NRF**

*Fixing and reserving agent for acid dyes on polyamide.*

A reserving agent for polyamide fibre in blend with wool. It can also be used as a fixing agent to improve the wet fastness of many acid dyes on polyamide and as an aid to prevent staining on unprinted areas in the washing off of printed goods.

( liq. - A )

*Polyamide & Blends (particularly with Wool)*

### **Croscolor OLL**

*Oxidizing agent*

Oxidizing agent which aids in preventing the reduction of direct and reactive dyes during dyeing and printing of cellulosic fibres. Can also be used for oxidation of vat dyes.

( liq. - A )

Cellulosics

### **Croscolor OZ**

*Versatile suspending, scouring, oligomer scavenging agent*

Solvent based with anionic and nonionic surfactants. One bath scouring and dyeing auxiliary for synthetic fibres. Low foaming and can be used in jet dyeing of polyester. Does not affect dyeing process, May also be used for oligomer removal, dispersing and reduction clearing.

( Emulsion - A )

All fibres

### **Croscolor PAF**

*Synton and reserving agent for polyamide dyeing and printing*

Dye fixing agent for wet fastness improvement of acid dyes on polyamide; also functions as a reserving agent for polyamide fibre in blends with cotton.

( liq. - A )

Polyamide / Cotton

### **Croscolor PCP**

*Buffering, dispersing, levelling agent with built-in lubrication properties for polyester dyeing*

Formulated multi-functional auxiliary for use when dyeing polyester and its blends. Croscolor PCP offers exceptional complementary processing properties making it possible to dye polyester with a single auxiliary.

( liq. - N/A )

Polyester and its blends

### **Croscolor PES-D**

*Buffering, dispersing, levelling and lubricating agent for polyester dyeing*

Unique formulation of a multifunctional auxiliary for use when dyeing polyester. It has exceptional all round properties which enables polyester dyeing to be carried out with a single auxiliary.

( liq. - N/A )

Polyester

### **Croscolor PFI**

*Aftertreatment agent for dyeing and printing of polyamide with acid dyes*

An aftertreatment agent designed for improving the fastness to chlorinated water and to washing of acid dyes on polyamide dyeing and printing.

( liq. - A )

Polyamide

### **Croscolor PLD**

*Levelling and dispersing agent for disperse dyeing of polyester, ultra low foaming.*

A levelling and dispersing agent specially formulated for use when dyeing polyester with disperse dyes.

( liq. - N/A )

Polyester

### **Croscolor PLEX**

*Dayebath safe universal sequestering agent.*

Dyebath sequestrant giving excellent hard water and heavy metal sequestration; safe to use with metal containing dyes.

( liq. - A )

Cellulosics, Cotton blends, Polyester and Wool

### **Croscolor PLS**

*Auxiliar for correction of faulty polyester dyeing*

Auxiliary that offers exceptional re-levelling properties when used for the correction of faulty or unlevel polyester dyeing.

( liq. - N/A )

Polyester

### **Croscolor PMF**

*Wetfastness improver for pre-metallised acid dyes on wool.*

After treatment agent to improve the wet fastness of premetallised dyes on wool. Allows selected dyes to satisfy "Superwash" wash fastness requirements.

( liq. - C )

Wool

### **Croscolor PRP**

*New generation reducing agent*

Effective and proven reducing agent that can be used advantageously in place of hydrosulphite in a number of applications such as reduction clearing of disperse dyeings & prints, stripping of reductive dischargeable dyes and for machine cleaning.

( Powder )

Polyester and Polyester/Cotton blends

### **Croscolor PTM**

*Powerful wetting, de-aerating and antifoam agent*

Designed to be effective as a combined deaerating, wetting and antifoam agent in preparation and dyeing operations. In many applications, the usual addition of an antifoam and wetting agent can be replaced by Croscolor PTM, owing to its dual functionality.

( liq. - N )

( liq. - N )

All fibres

### **Croscolor PTS**

*Low foaming dispersant and leveller for polyester dyeing*

A low foaming dispersing and levelling agent for polyester suitable for high turbulence machine. Provides excellent dye strike rate particularly under high temperature and rapid dyeing techniques

( liq. - A/N )

Polyester

### Crocolor QUEST

*Dye bath safe sequestrant*

Dyebath safe sequestrant for general purpose use in dyeing. Has good sequestering power for hardness forming salts (Ca, Mg) and for heavy metal ions (Fe, Cu, Mn, Ni,) without any adverse effect on metal complex dyestuffs. Has exceptionally good dispersing properties and high resistance to alkaline hydrolysis. Has excellent scouring properties for soiled cotton, is ideal for simultaneous preparation/dyeing process and for greige cotton dyeing; can help in the levelness and reproducibility of dyeing.

( liq. - A )

*Cellulosics, Cotton blends and Polyester*

### Crocolor RW100

*Powerful soaping-off agent for cotton reactive dyes; vastly reduces soaping time and staining*

100% active anionic non-foaming washing off agent with excellent suspending and dispersing properties for reactive dyestuffs. Due to its chemical nature and cost effective formulation, it can be used at low levels for soaping off all classes of reactives.

( Powder - A )

*Cellulosics, Cotton/Polyester*

### Crocolor SANZ

*Dye substantive acid dye leveller for wool/polyamide and scavenger for loose dyes*

A dye substantive levelling agent for wool and polyamides. Suitable for dyeing techniques such as variable dye polyamide and rapid dyeing. It is also an extremely efficient washing agent for polyamide prints.

( liq. - C )

*Wool & Polyamide*

### Crocolor SHS

*A reductive bleaching and clearing agent*

A mild bleaching agent for destroying dye stains on fibre, for the reduction clearing of polyester and for cleaning dyeing machines.

( Powder )

( powder - A )

*All fibres*

### Crocolor SLR NEW

*Levelling agent for dyeing cellulosic fibres with reactive dyes*

Auxiliary designed for use in cotton dyeing with reactive dyes which controls the exhaustion rate of the dyebath, decreases the rate of fixing during the dyeing and improves the dispersion of reactive dyes.

( liq. - A )

*Cellulosics*

### Crocolor SOL

GOTS

*Very powerful soaping-off agent*

Very powerful and economical soaping-off agent which keeps unfixed/hydrolysed reactive dyes in dispersion in bath. It makes it possible to shorten the number of rinses in the processing and at the same time increase the rubbing fastness.

( liq. - A )

*Cellulosic fibres*

### Crocolor SOP

GOTS

*Very powerful soaping-off agent*

Crocolor SOP is a very powerful / economical soaping-off agent which keeps unfixed/hydrolysed reactive dyes dispersed in solution and prevents re-deposition on the Cellulose. It makes it possible to shorten the number of rinses in the processing and at the same time increase the rubbing fastness

( Powder -N )

*Cellulosic fibres*

### Crocolor SSA

*Multifunctional, multipurpose solvent based scouring and dyeing agent for all fibres*

A versatile multifunctional scouring and dyeing agent with an application potential in almost every area of textile wet processing, for most fibres. Amongst its outstanding properties are anti-redeposition, oligomer scavenging ability, effective reduction clearing of disperse dyes, oil and dirt removal, dye levelling in cotton dyeing, dye dispersing in polyester and effective cleansing of dye machines. It is low foaming in nature, stable to high temperature and pressure and can be included in bleach baths.

( Emulsion - A )

*All Fibres*

### Crocolor TAPL

*Phosphate free liquid acid buffering system for the dyeing of polyester and blends*

An organic pH buffer system for maintaining dyebath pH between 4.5 and 5.0. The buffering effect is further complemented by excellent dispersing and sequestering properties. Particularly designed for dyeing PES and PES blends. Crocolor TAPL is a totally non foaming product. The use of Crocolor TAPL ensures that pH is maintained between 4.5 and 5.0 during the dye cycle.

( liq. - A )

*Polyester and blends*

### Crocolor USRN

*Foam-free, multifunctional dispersing & sequestering agent for textile wet processing*

Cost-effective, easy to use version of Crocolor USR. Is a special dispersing agent that works by removing and holding in suspension undesirable ions during processing, aids metal ion sequestration in bleaching and dyeing and prevents re-deposition of unfixed/hydrolysed reactive dyes from cellulosics during soaping off.

( liq. - A )

*Cellulosics & its blends*

### Crocolor WBA

*Dyebath wool brightening agent*

Acts as a brightening/ bleaching agent and prevents the undesirable yellowing of wool caused by prolonged boiling during dyeing

( Powder )

*Wool and its blends except with Acrylics*

### Crocolor WPC

*Biodegradable wool protective colloid for dyebath application*

Auxiliary that performs sacrificially to maintain fibre strength of wool when subjected to prolonged harsh treatment such as HT dyeing, bleaching etc. Advantages of use include better processing in carding and spinning, stronger material.

( liq. - A )

*Wool*

### Crocolor WRL

*Amphoteric levelling agent for reactive dyes on wool & polyamide*

Levelling agent for the application of reactive dyes on wool and polyamide fibres; equally effective on metal complex and other high fastness acid dyes when applied to wool and polyamide, and disperse dyes to polyamide.

( liq. - Amph.)

*Wool & Polyamide*

### Crocolor WSDS

*Wool anti-felt aid and protective colloid for synthetics during wet processing*

A versatile auxiliary for controlling wool felting and surface deterioration of synthetic fibre during wet treatment. Does not affect shade or yield when used in dyebath and offers wet surface lubrication to substrate.

( liq. - N )

*Mainly Wool and its blends with synthetics*

## Dyelube NF

GOTS

*Novel polymeric dyebath lubricant, non-foaming, does not affect shade or yield.*

A water soluble non-surface active, and therefore foam-free, dyebath lubricant.

No effect on dyeing yield and thus particularly suitable for 100% cotton and blends with PES. Stable to bleaching. Anionic.

( liq. - A )

All fibers

# CROSCOUR

## Croscour 11

*Universal non-ionic penetrating and wetting agent.*

Non-ionic penetrating and wetting agent. Particularly useful for bleaching and pad-Thermosol dyeing. Stable in acid or alkali solutions.

( liq. - N )

All fibres

## Croscour BFE

GOTS

*Biodegradable scouring agent for removing residual hydrocarbon and silicone oils*

Specially designed for scouring synthetics and their blends with elastane and natural fibres. Prevents deposition of silicone and oil on the machines as well as the redeposition of removed silicones onto the fabrics.

( liq. - N )

*Synthetics & blends with elastane and natural fibres*

## Croscour G-SSK

GOTS

*A high performance scouring agent for removal of mineral oils and other contaminants.*

A highly effective scouring agent. It is particularly efficient in the scouring of woollen hosiery and woven fabric with fibre lubricant which contains mineral oil.

( liq. - N/A )

Wool

## Croscour HPJS

GOTS

*General purpose scouring and scour/dye auxiliary for cellulosic, polyester and blends; very low foaming properties*

Scour/dye auxiliary that helps to eliminate most particulate dirt. Does not have inherent foaming problems when used in high shear machinery. Croscour HP-JS has a high degree of biodegradability.

( liq. - weakly A )

Cellulosics, Polyester & Blends

## Croscour HVT

*A powerful general purpose non-ionic detergent concentrate*

Powerful general-purpose nonionic detergent. It is particularly suitable for woollen carpet yarn scouring where a mineral oil is present in the processing lubricant. Knitting and spinning oils are also removed easily from knitted wool and synthetic fabric.

( liq. - N )

*Cotton & PES/CO knitted goods, synthetics & blends*

## Croscour MNP

*Low foaming multipurpose non-ionic wetting aid and detergent, exceptional dispersant for dirt and oily contaminants*

A wetter/detergent with dispersing properties designed for the removal of all types of fatty and oily contaminants as well as other dirt from greige material.

( liq. - N )

All Fibres

## Croscour M-RD

GOTS

*Multipurpose nonionic wetter and detergent*

Nonionic wetting and detergent for the pretreatment of natural fibres and blends.

( liq. - N )

Natural fibres and blends

## Croscour NL

*Powerful 'built-in' scouring and milling agent for woollen hosiery and other fibres; prevents cross-staining of intarsia*

An 'all-in-one' detergent system based on well established scouring agent technology. Specially suited for scouring and milling of knitwear and cloth made of wool; has been designed to function without the need for addition of other chemicals during the scouring process;

( liq. - N )

*Wool, cashmere, angora, cotton and their blends*

## Croscour ORG

GOTS

*Very rapid low foam wetting agent suitable for various wet process application.*

A rapid, low foam wetting agent which can be used in a wide range of applications including preparation (desizing, boiling off, bleaching) and dyeing.

( liq. - A )

*Cellulosic fibres and their blends with synthetics*

## Croscour RDT

*Rapid wetting agent with high detergency and strong scouring properties for cotton*

Blend of surfactants carefully chosen to give a product with rapid wetting properties, high detergency and cleaning power. These properties are combined with excellent chemical resistance. Excellent rapid wetting agent for optimal Denim desizing.

( liq. - A/N )

*Natural fibres, especially Cotton.*

### Croscour SH30 DR

*Powerful general purpose non ionic detergent*

Fully biodegradable, non-ionic, scouring agent suitable for removing oil residues from woollen carpet yarn and knitting and spinning oils from fabric. The versatility of the product is such that both natural and synthetic fibres can be effectively scoured with Croscour SH30.

( liq. - N )

*Cotton, synthetics & blends*

### Croscour URW

GOTS

*Very rapid low foam wetting agent*

Rapid, low foam wetting agent which can be used in a wide range of applications including preparation (desizing, boiling off, bleaching) and dyeing.

It is particularly designed for treatment of cellulosic fibres and their blends with synthetics. It is suitable for use in both discontinuous and continuous systems.

( liq. - A )

*Cellulosic fibres and their blends with synthetics*

### Croscour WDGP

*Biodegradable, low foam anionic scour/dye auxiliary for polyester and blends*

An extremely low foaming scour dyeing agent for processing of Polyester and blends. It is APEO free and fully biodegradable and ideally suited for Jet and Overflow dyeing machines due to its low foaming nature. Does not contain any antifoam. Offers ideal detergency properties when used for scouring, scour/dyeing and bleaching purposes.

Very effective on Cotton/ Elastane, Viscose / Elastane , Polyamide / Elastane , Polyester /Elastane and other difficult Elastane blends. Has excellent soil dispersing characteristics coupled with rapid wetting, making it suitable also for scour/dyeing of reactive and direct dyes on cotton. Stable to peroxide bleach bath additives.

( liq. - A )

*Polyester and blends including cellulotics*

### Croscour WFSN

*All-in-one scour/mill agent for wool, fully biodegradable.*

Effective scouring and milling agent which benefits from the inclusion of a fully buffered system thus eliminating any risk of alkali damage to wool. Efficient emulsifier for spinning oils and fully biodegradable. The selection of additives in the formulation lead to a soft, appealing hand of the treated goods.

( liq. - A/N )

*Wool and blends*

## CROSDEN

### Croscour CLI

GOTS

*Product for discolouring denim dyed with indigo; especially suited for elastane containing blends*

Croscour CLI permits the discoloration of Denim containing Elastane without adversely affecting the elastic properties. The use of it facilitates an easy to check means of discolouring garments which is reproducible; it also permits discolouring (greyish shade) of Black dyed Denim fabrics.

( Powder )

*Denim with Elastane*

### Croscour ECO1

*Formulated very efficient cellulase*

A new stabilized and buffered formulation of cellulases and specific activators with a high level of anti-backstaining. It allows performing a chemical fading treatment with or without stones and maintains a very low level of redeposition.

( Powder - N )

*Denim*

### Croscour EXC1

*Buffered cellulase based preparation for the chemical fading of denim, with or without pumice stones*

A novel chemical fading auxiliary that is effective in holding off the removed residual dyestuff when used together with Croscour POX/2 to offer an effective and easy to use system for Denim processing.

( Powder -N )

*Denim*

### Croscour KMN

*Liquid neutralising agent for potassium permanganate*

Croscour KMN is a superior neutralising agent for potassium permanganate compared to traditional neutralising with metabisulphite, resulting in a much better white. The neutralising with Croscour KMN is more rapid (< 5 minutes). It's a stable liquid, is rapid and efficient and produces its best effect in acidic conditions at a temperature between 20 - 50°C.

( liq. - N )

*Cellulosics & Denim*

### Croscour MCLT

*Low operating temperature all-in-one powdered cellulase for stone-washing*

Is a readily soluble formulated cellulase. This all-in-one powdered product runs at low temperature with low backstaining.

( Gran. Powder )

*Denim*

### Croscour PNE

*Denim processing auxiliary, desizes lubricant and dispersant for denim processing conditions*

Non-enzymatic desizing system for all types of denim processing. Provides rapid wetting and penetrating capabilities combined with excellent lubrication and antiredeposition properties required during denim preparation.

( liq. - A )

*Cotton (Denim), cellulotics*

### Croscour POX-2

GOTS

*Very low foaming anti-backstaining agent liquid for the enzymatic stone wash process of the denim*

Auxiliary with high anti-backstaining power which maintains indigo in suspension into the bath during the different treatment of "stone wash" process. It has no adverse effect on the different enzymes used during treatment. It also possesses wetting/detergent characteristics.

( liq. - N )

*Denim*

### Croscour PWA

*Complex enzymatic formulation for denim desizing with special wetting/penetrating properties*

Enzymatic desizing agent which has been fully formulated to be used for all types of denim preparation and desizing. Offers rapid size breakdown along with excellent wetting and penetrating properties. An internal lubricant ensures the removal of hard creases and aids in streak free stoning.

The enzyme used is operating at a temperature comprised between 55 and 95°C.

( liq. - A )

*Cotton (Denim), Cellulosics*

### Croscour SAT

*Liquid acid cellulase for stone washing*

It is a liquid acid cellulase designed to give less backstaining than traditional acid cellulases in Denim washing applications. It has a wide operating range and may be run from pH 4.5 to 6.5 and temperatures between 30 and 60°C.

( liq. - / )

*Cotton (Denim), Cellulosics*

## CROSDURIN

### Crosdurin AOP

*Anti-oxidant for application to polyamide, helps maintain reproducibility*

An effective anti-oxidant for application to Polyamide to minimize yellowing caused by pre and post heat setting treatments.

( liq. - N )

*Polyamide*

### Crosdurin CBWF

*Low formaldehyde - pre catalysed wrinkle free resin*

- Confers wash and wear effect with good durability to washing (also to chlorine treatment)

- Permits highly durable permanent creases mechanically formed  
- Highly improves the dyes fixing with minimum alteration of shades  
- Improves indigo fixing

( liq. - N )

*Cellulosics & blends*

### Crosdurin EAR

*Self crosslinking, amino-functional, one-pack silicone elastomer*

A one pack crosslinking amino-functional elastomer giving a very soft, elastic and permanent handle to the treated fabrics. It is a low cost product for different applications. It gives a particularly soft handle to acrylic, wool or other textile fibres such as cotton or polyester. It is permanent and resistant to washing operations. It improves mechanical resistance of fabrics.

( liq. - N )

*Acrylic, Wool, Cotton, Polyester*

### Crosdurin GRSP NEW

**GOTS**

*Stitch lubricant, compatible with resin .*

Stitch lubricant for application to Polyester and Polyester/Cotton blends which dramatically reduces needle damage on fabric in making up besides prolonging needle life; improves the tear strength normally affected by application of resin.

( Emulsion - N )

*Natural & synthetic fabrics*

### Crosdurin M-RLS

*Low viscosity stiffening agent*

Stiffening agent designed for giving hard handle finish.

( liq. - N )

*Cellulosics*

### Crosdurin RF50

*Aminoplastic easy care treatment resin*

Precatalysed reactant resin containing softener. Provides excellent dimensional stability and abrasion resistance. Based on cyclic aminoplast giving low free formaldehyde on fully cured goods.

( liq. - N )

*Cellulosics,  
Cotton/Polyester*

### Crosdurin SAR

*Stiffening agent*

Free flowing, easy to handle emulsion that imparts a stiff handle to a wide variety of cellulosic and synthetic fabric.

( liq. )

*Cellulosic & synthetic*

### Crosdurin SR

*Soil release finish for polyester and blends; hydrophilic and antistatic.*

An outstanding soil release finish with exceptional durability for woven or knitted polyester fabric. The moisture transportation property of the fabric is greatly improved which leads to a higher level of comfort. Static cling is significantly reduced, giving polyester fabric a more natural effect. Can be equally effective on fibre blends containing a higher proportion of Polyester

( liq. - N )

*Woven or knitted polyester fabrics*

### Crosdurin WAY

*Highly effective agent for preventing yellowing of polyamide during storage*

Designed for preventing or reducing the phenolic yellowing of polyamide which occurs during the storage. It counteracts the formation of organic nitro compounds formed during storage in unfavorable conditions ( humidity, temperature,...). It is particularly recommended for optically brightened fabrics and for fabrics dyed in pastel shades.

( liq. - A )

*Polyamide*

## CROFAST

### Crofast UVA

*Light-fastness improving agent for polyester fibre*

Is used as light fastness improving agent for polyester, cation dyeing polyester (CDP) and polyester blended fabric.

( liq. - A )

*Polyester & its blends*

## CROSFIRE

### Crosfire CP

*Flame Retardant for Cotton*

Crosfire CP is an efficient flame retardant based on N-Hydroxymethyl-3-Acrylamide. Crosfire CP is an organic phosphate flame retardant which contains dual P and N fire-stopping elements. Crosfire CP could impart water and oil repellency with other additives. Under acidic conditions, Crosfire CP has very low to no effect on dye light fastness, shade and color yield.

( liq )

*Cotton*

### Crosfire CU

*Flame Retardant for Polyester*

An efficient cyclic phosphate flame retardant which contains high phosphorus level with excellent water solubility. It can be applied in the fabric for inner vests used in buildings, curtains and cars as well as special workwear; particularly suitable for application on polyester, PES/CO blends and PU coating for imparting to a flame-stop effect to the fabric.

It gives a long-lasting and wash durable effect with a wide range of application.

( liq - A )

*PES ; PES/CO and PU*

## CROSFIT

### Crosfit 1PK

*One-pack super soft silicone elastomeric finish*

One pack silicone finish suitable for application to both natural and synthetic knitted goods by padding and gentle exhaustion. Imparts excellent elastomeric properties and improves dimensional stability. The finish is permanent to repeated wash cycles and dry cleaning.

( liq. - C/N )

*All fibres*



## CROSFIX

### Crosfix K LIQ

*Alkali liquid buffer for reactive dyeing of cellulose*

Blend of highly alkaline buffered solutions designed to be used as a replacement for soda ash in the reactive dyeing of cellulosic materials. With its optimum alkaline and buffering properties, it can be used at approximately one fifth to one tenth the normal levels of soda ash, depending on the dyestuffs used.

( liq. - A )

Cellulosic fibres

## CROSGUARD

### Crosguard DSC

*Durable water and oil repellent agent for cellulosic and synthetics*

A fluorochemical resin that imparts excellent and durable water and oil repellency to all type of fabric.

( Emulsion Weakly C )

Nylon, Cotton, Polyester

### Crosguard FCD CONC

*Durable water and oil repellent agent for cellulosic and synthetic fibre*

Fluorochemical resin that imparts an excellent durable water and oil repellency to all type of fabrics.

( Emulsion - C )

Cellulosic & Synthetic fabrics

### Crosguard ML

*Durable water and oil repellent agent for polyester*

A fluorochemical resin that imparts an excellent durable water and oil repellency to all types of Polyester fabrics.

( Emulsion Weakly C )

Polyester

## CROSLUBE

### Croslube 3000

*Emulsifiable hosiery yarn spinning lubricant with strong antistatic properties.*

Emulsifiable fibre lubricant for wool and blends on the woollen system; excellent fibre control leading to better yield in carding and spinning; low yellowing and good scourability can be achieved with standard detergent scour. Maintains yarn strength by reduced fibre breakage; can prevent cross staining of coloured fibres within blend and easy to scour.

( liq. - A )

Wool and blends with synthetics

### Croslube 3X

*High cohesion, antistatic fibre lubricant*

Water soluble lubricant for use on wool on the worsted and semi-worsted systems and for synthetic fibres on the woollen, worsted and semi-worsted systems. Excellent at controlling short & slippery fibres and for the processing of high chorinated soft lustre wool.

( liq. - N/A )

Wool, Wool/Synthetic blends & Synthetic

### Croslube DWS

**GOTS**

*Water soluble, antistatic fibre lubricant for woollen system yarn spinning.*

It is a highly antistatic, water soluble fibre lubricant designed for use on wool, wool/synthetic and cashmere blends on the woollen system. It is based on a blend of nonionic materials, and special materials which include cohesion and antistatic aids.

( liq. - N/A )

Wool

### Croslube G-CL

*Antistatic spinning lubricant for long fibre processing on the worsted system*

Concentrated water soluble, highly antistatic lubricant for wool and its blends on the worsted system. Gives excellent combing and spinning results and suitable for chlorine/shrink-resist processes. High degree of biodegradability.

( liq. - N/A )

Wool & Wool/Synthetic blends

### Croslube HAL

*Water soluble, antistatic lubricant for synthetic fibres - particularly suitable as spinning oil for acrylic fibre*

A water soluble, highly antistatic lubricant for mainly synthetic fibres on the semi-worsted systems. Imparts less scroopy handle than CROSLUBE BD. Especially suitable for polypropylene, polyamide and polyacrylic : reduced fibre breakage achieved owing to excellent opening at card, leading to even drawing. Helps to reduce yarn hairiness. Can be used for needle punching of polypropylene.

( liq. - N/A )

Synthetic (mainly Polypropylene) or Synthetic/Wool blends

### Croslube HSM

*High performance worsted spinning lubricant for wool & synthetics.*

Croslube HS-WM is a sophisticated spinning lubricant for use on 100% wool, 100% synthetic and wool / synthetic blends, being particularly effective at dust suppression on the latest high-speed drawing, spinning and twisting machinery. Easy to use and readily dilutable, has powerful antistatic properties, excellent spreadability and is free of mineral Oil. Can be removed by a simple water rinse and can be used on all wool, wool / synthetic fibre blends and 100% synthetic fibre blends; reduces the generation of dust and short fibres in the fastest machine systems, thus increasing yarn yields

( liq. - N/A )

100% Wool and 100% Synthetics

### Croslube LAS SUPER

*Highly antistatic water soluble carpet yarn spinning lubricant*

A water soluble lubricant for carpet yarn spinning on the woollen system. Suitable for dry and oil spinning. Excellent anticorrosion properties. Particularly useful in scour/dye situations. Can also be used on the semi-worsted system for wool and its blends.

( liq. - N/A )

Wool & Wool/Synthetic blends

### Croslube NPS22

*Knitting machine lubricant - particularly designed for the VOLKMANN machinery -*

High performance knitting machine lubricant that enables operation of machine at very high speeds without excessive heat generation and helps to prolong life of machinery.

( liq.- N )

Machine lubricant

## Croslube NYLC

Water soluble antistatic carpet yarn lubricant for wet or dry spun system

Modern water-soluble lubricant, for carpet yarn spinning on the woollen system. Built in antistat and cohesion aid provide significant improvements in carding and spinning compared with similar lubricants, with the benefit of also obtaining lower COD levels in effluent liquors.

( liq. - N/A )

Wool, Wool/Synthetic and 100% synthetic

## Croslube S22

2nd generation knitting machine lubricant; helps prolong machine life and permits faster running

High performance knitting machine lubricant that enables operation of machine at very high speeds without excessive heat generation and helps to prolong life of machinery.

( liq. - N )

Machine lubricant

## Croslube TCA

GOTS

Antistatic carding and combing oil for wool on worsted system

A high performance ester based carding/combing lubricant for the worsted system. Provides very low fibre/metal friction to maximise fibre length and comb tear ratio. Runs cleanly through the machine system, with minimal grease/oil build up. Formulated to scour very easily.

( liq. - N )

- 100 % Wool

## Croslube WAN

High cohesion antistatic wool hosiery lubricant, particularly of interest in angora processing

Highly antistatic, high cohesion lubricant for hosiery yarns. Particularly suited to blends containing angora. Readily scoured under neutral or mildly alkaline conditions.

( liq. - N/A )

Wool, Wool/Synthetic, Wool/Angora blends

## CROSMAT

### Crosmat MF-ABPC

GOTS

Powdered very low foaming activator for the enzymatic stone wash process

A versatile product, which can be used as the single auxiliary - in addition to enzymes - in the 3 steps of the stone wash process : Desizing, Stone washing, Soaping-off.

( Powder - N/A )

Denim

## CROSOFT

### Crosoft 240 L

GOTS

Unique anionic softener, excellent for polyester, no adverse effect on thermomigration of disperse dyes; non yellowing, hydrophilic and fully biodegradable

Special anionic softener with exceptional thermal stability. It is totally non yellowing and is ideal for full whites. Particularly suitable for pad application to polyester and its blends, does not adversely affect thermomigration. Polyester can be heat set after softening and still have excellent fastness. The handle achieved is similar to cationics. It also imparts good hydrophilicity and antistaticity.

( liq. - A )

Cotton, Cotton blends, Polyester and other synthetic fibres

### Crosoft ACPK

Concentrated cationic softener

It is a cationic concentrated softener based on fatty acid amide derivative. It imparts a soft handle to cellulosic and synthetic fibres and can be used by pad and exhaust application

( Pills -C )

All fibres

### Crosoft AMFO-X

General purpose non-yellowing amphoteric softener

An amphoteric softener for pad application to cotton, synthetics and blends. Non-yellowing to OBA's and highly resistant to severe stentering and drying conditions. Stable in resin and flame-proof baths (Proban). Gives a fully cationic-like handle with good hydrophilicity.

CROSOFT AMFO-N : Non foaming version

( liq. - ampho )

Cellulosics, Cotton/Polyester, Polyester (All other fibres)

### Crosoft AOSF

Non-yellowing softener and protective agent against ozone fading

Softener for Denim articles that protects indigo-dyed goods from ozone fading. It possesses a high rate of absorption and can be used for exhaust and padding process.

( liq. - C )

Denim

### Crosoft ASD

All fibre, semi-durable cationic softener with lubricating ability

Softening agent for synthetic fibres, cotton, wool and wool/synthetic blends. Provides antistatic and lubricating properties to the fibres and is semi-durable to washing especially acrylics and blends.

( liq. - C )

All fibres

### Crosoft BCA

Cationic readily biodegradable softener for all fibre types; lubricates to aid sewing and mechanical finishing processes

Readily biodegradable cationic softener. Gives a soft bulky handle. Provides antistatic properties and good re-wetting characteristics.

( liq. - C )

All fibres

### Crosoft CLAS

Combined softener and lubricant for wool tops in chlorine\_hercosett process

Specially developed for application during the shrink-resist treatment of wool tops. The softener component produces a very soft bulky handle whilst the lubricant part aids subsequent mechanical processing.

( liq. - Amph )

Chlorine Hercosett treated wool tops

### Crosoft CSORL

Amino-silicone based versatile softener for exhaust and pad application; excellent raising lubricant.

An organic/silicone blend based super soft finish for exhaust or pad application to all fibre types. Gives excellent lubrication to help with sewing and brushing operations, particularly on synthetic blends. It is low yellowing and can be used for coloureds and whites. The silky soft handle is ideal for denim jeans and jackets.

( liq. - C )

All fibres

### Crosoft EJH-N

Stitch lubricant, low soiling on cotton/polyester blend

Polyethylene based softener. Gives excellent lubricity. Compatible with cationic fixing agent, electrolytes, resins and acid catalysts. Imparts a very soft handle and is low soiling.

( liq. - N/A )

Cellulosics, Cotton/Polyester

### Crosoft FSC

*Cationic silicone softener with lubricating properties.*

Amino silicone based supersoftener. The excellent lubricating characteristics result in highly controlled raising and brushing properties, giving even fibre lifting without matting.

( liq. - C )

All fibres

### Crosoft GPAO

*Anti-ozone cationic softener for the colour protection of denim material*

An amino-amide anti-ozone softener in a ready-to-use liquid form. It is particularly suitable for repeated softening of blue Denims garments.

( liq. - C )

Denim

### Crosoft HQS

*Silicone hydrophilic softener for all fibres*  
Silicone hydrophilic softener that

produces an excellent soft handle with good hydrophilicity to treated fabric.  
□Low yellowing under usual drying conditions, can be used on a wide range of articles such as terry towel, sportswear in cellulosic fibres and blend with synthetics, nylon stockings etc. □Imparts good antistatic properties when used on synthetic fibres and improves stitchability and elasticity of knitwear goods. □Stable to shearing conditions and can be used in high turbulence machines such as jet machines; No influence on light fastness and sha and can be applied by padding, exhaust as well as by common spraying methods (e.g WEKO);

( Emulsion - C )

All fibres

### Crosoft HSD

*Hydrophilic silicone based softener suitable for use on cellulosics, wool and synthetics*

A hydrophilic silicone softener for use on cellulosic, wool and synthetics. Confers excellent, extremely soft and bulky handle combined with good hydrophilic properties to treated fabrics. Owing to its excellent resistance to yellowing, eminantly suitable for use on white goods. On knitted goods, confers great elasticity besides excellent lubrication for sewability. □Can be used on a wide range of articles such as terry towels, sportswears in cellulosic fibres and blends with synthetics.

( liq. - N )

Cellulosics, Wool, Synthetics and their blends

### Crosoft HSS

GOTS

*A hydrophilic super softener*

An advanced formulation of hydrophilic silicone oils and surfactants, suitable for use on cellulosics and synthetic fibres, leading to a high bulk softening effect whilst maintaining the hydrophilic nature of the substrate.

( liq. - N )

Cellulosics & Synthetic

### Crosoft JSP

*Shear stable cationic silicone softener*

Specifically designed to withstand high shear forces and to impart a high level of softness. The low foaming characteristics make this product ideal for application by jet machines. Particularly suitable for silk but can be used on all natural and synthetic fibres.

( liq. - C )

All fibres, especially silk.

### Crosoft LIS

GOTS

*Universal amino-functional silicone micro-emulsion finish, ultra low yellowing*

A new silicone amino-functional micro-emulsion especially developed for its non yellowing effect. It can be applied to all types of fibre or fabric and works exceptionally well on cotton and blends.

( liq. - N )

All fibres

### Crosoft MEM

GOTS

*One-pack, self cross-linking elastomeric silicone micro emulsion*

Micro-emulsion elastomeric silicone. A one pack, self crosslinking formulation which imparts a high degree of softness and elasticity to a wide variety of fabrics. Being mildly cationic in nature, it can be applied by pad or exhaust techniques. Good whites are obtained as it does not interfere with the hue or brightness of OBA's.

( liq. - C/N )

All fibres

### Crosoft MIC-NEW

*Elastomeric silicone micro-emulsion*

Micro-emulsion of elastomeric silicone. A one pack, self crosslinking formulation which imparts a high degree of softness and elasticity to a wide variety of fabric. The finish obtained is permanent and is resistant to aqueous and solvent cleaning. Being mildly cationic in nature, it can be applied by pad or exhaust techniques. Good whites are obtained as it does not interfere with the hue or brightness of OBA's.

( liq. - C/N )

All fibres

### Crosoft MUL

*Jet stable cationic stitch lubricant and finishing agent*

An organo silicone fabric finish, with optimised stitching and brushing properties. It imparts a soft, bulky handle and produces a fabric with added warmth and wearer comfort. Incorporates weakly cationic silicones and specially selected polymeric lubricants in a fine emulsion, which is stable in jet machines.

( liq. - C )

All fibres and fibre blends i.e. cellulosics & wool with synthetic

### Crosoft NBSC

*Organo-silicone blended flake softener for all fibres.*

Universally applicable softener that gives treated fabrics an excellent silicone type soft handle; it is suitable for application to most fibre and particularly good on cotton, rayons, acetates, wool and nylon. □Imparts good raising, brushing and sewability propertie and can be applied by padding or exhaustion.

( Flakes - C )

Most fibres

### Crosoft NCS

*Cationic softener conferring full, luxurious handle without the aid of silicones; built in static control and low yellowing tendency*

Versatile cationic softener which imparts a high level of softness without the problem of silicone based products; can be applied to a wide range of textiles. Gives excellent anti-static properties and has low yellowing characteristics.

( liq. - C )

All fibres

### Crosoft NCT-P

*Non ionic softener, non yellowing and stable to optical brighteners & resins*

A pad applicable, non ionic softener that is extremely suitable for application to cellulosic and synthetic substrates, giving a smooth and soft hand. It is has excellent non yellowing properties and can be used on fibre treated with OBA. Compatible with additives normally used in finishing.

( Pastilles - N )

Cellulosics and Synthetics

### Crosoft NIBD

*Non ionic, resin stable soft finish for cellulose and other fibres.*

A non ionic softener dispersible in hot water, used as a finishing agent for all type of fibre and particularly suitable for cellulosic fibres.

( Emulsion - N )

All type of fibres & particularly suitable for cellulosic fibres.

## Crosoft PSH

GOTS

*Hydrophilic silicone softener for application to cellulosic, wool and synthetic fibres*

A hydrophilic silicone softener for use on cellulosic, wool and synthetics. Confers excellent, extremely soft and bulky handle combined with good hydrophilic properties to treated fabrics. Owing to its excellent resistance to yellowing, eminantly suitable for use on white goods. On knitted goods, confers great elasticity besides excellent lubrication for sewability. □Can be used on a wide range of articles such as terry towels, sportswears in cellulosic fibres and blends with synthetics.

( liq. - N )

*Cellulosics, Wool, Synthetic and blends*

## Crosoft TAF NEW

*Durable cationic softener for acrylic and acrylic/wool blends..*

A softener specially designed to give durable soft handle on acrylic and acrylic/wool blends. Gives a semi durable finish with good extensibility and stitchability to other synthetic fibres and to wool and cellulosics.

( liq. - C )

*All fibres*

## Crosoft TWCF

*Cold water soluble concentrated cationic softener*

An excellent general purpose softener. It imparts a smooth and soft handle as well as antistatic properties for regular and resin finishing of cotton, synthetics and their blends.

( flakes - C )

*All*

## Crosoft XME

*Non ionic softener for cotton, synthetic and blends, compatible with all normal wet bath additives.*

An organic "micro-emulsion" non-ionic softener for general purpose use. Ideal for pad application to cotton, blends and 100% synthetics. Fully compatible with resins, flame retardants (Proban) and other finishes and fillers. Stable to all stentering and drying conditions.

( liq. - N )

*Synthetic fibres, particularly Polyester & Cotton/Polyester blends*

## CROSPAD

### Crospad RAM

*Antimigrating agent for vat dyes*

A high concentrated levelling antimigrating agent for continuous vat dyeing.

( liq. - )

*Cotton*

## CROSPREP

### Crosprep AG-PB

*Bleaching agent with rapid wetting and emulsifying properties*

Is designed to give very quick expulsion of entrapped air in tightly woven or package goods. In addition, it has a powerful emulsifying agents which provide good scouring of the cloth

( liq. - N/A )

*Cellulosics and blends*

### Crosprep BMS

*Stabiliser for continuous bleaching of cellulosic & blends*

Stabilising agent for the bleaching of cotton and polyester/cotton fabrics. Specially modified silicate based preparation ensures optimum stabilisation of bleach bath oxidant.

( liq. - A )

*Cotton & Polyester/Cotton fabrics*

### Crosprep CHL

*Stabilizer for sodium chlorite bleaching*

Buffer and stabilizing agent with anticorrosive effect for the bleaching with sodium chlorite

( Powder - A )

*Cellulosic*

### Crosprep EDC 16

*Biopreparation auxiliary based on pectinase; for boiling-off cotton.*

A pectinase, which removes pectin from the primary cell wall of cotton fibres without causing any degradation of cellulose. It has no negative effect on the strength properties of cotton textiles or yarn.

( liq. )

*Cellulosics*

### Crosprep G-KBS

*A 'one-pack' wetting/detergent and stabiliser system for peroxide bleaching of cotton*

An advanced multi-functional auxiliary for use in bleaching of cotton and blends of cotton. It is based on third generation technology of surfactants which allows excellent control of bleaching along with the best emulsification of waxes. Low foaming in nature without the presence of added antifoam

( liq. - N/A )

*Cotton and Cotton blends. Linen and linen blends*

## Crosprep HES

GOTS

*Low foam, multifunctional bleachbath stabiliser/emulsifier system*

A multi-functional auxiliary for use in bleaching of cotton and blends of cotton in Jets. Based on a complex blend of surfactants and stabilisers, the use of HES leads to a very 'low foam' bleaching process without the need for the inclusion of antifoams.

( liq. - N/A )

*Cotton and its blends*

## Crosprep KFP

GOTS

*Residual peroxide quencher*

A preparation for the removal of residual peroxide which eliminates the need for rinsing after bleaching and avoids any adverse effect on the shade of subsequent reactive dyeing

( liq. - A )

*Cotton & it's blends*

*Any process involving peroxide bleaching*

## Crosprep MSS

GOTS

*Stabilising agent for bleaching of cotton and polyester/cotton fabric*

A modified sodium silicate system designed for use on both continuous and semi-continuous bleaching. Its powerful dispersing properties greatly reduce the problems of precipitation caused by insoluble calcium and magnesium silicate salts. Also disperses cotton linters and particulate soil, resulting in a much cleaner prepared fabric, which gives an increased cloth whiteness.

( liq. - A )

*Cotton & Cotton blends*

*Linen & Linen blends*

## Crosprep MWA

*Rapid, high caustic stable wetter for mercerising cotton*

Provides excellent wetting effect in high concentrations of caustic soda solutions leading to very uniform penetration of substrate resulting in even mercerisation.

( liq. - A )

*Cotton*

## Crosprep PBS

*All-in-one powder bleaching system, requires the addition of peroxide only*

Combined wetter/detergent, stabiliser and alkali for simplified bleaching with peroxide. Eliminates need for stockholding of large number of auxiliaries. Easy to handle powder formulation that dissolves in water, requiring only the addition of peroxide for making up bleach bath.

( Powder - A )

*Mainly cellulose and blends*

## Crosprep PWNN

*All-in-one liquid bleaching system*

A complete liquid bleaching system, combining wetter/detergent, stabiliser and alkali, requiring only the addition of peroxide for bleaching of cellulose and blends.

( liq. - A )

*--Cellulose and blends*

## Crosprep SDNA

GOTS

*Acid buffer for neutralising and buffering alkaline finishing process*

Multifunctional product with buffering effect for neutralising caustic. It has also dispersing and sequestering power towards dirt, calcium and iron ions.

( liq. - A )

*Cellulose*

## Crosprep SF-CS

GOTS

*Surfactant and silicate free organic stabilizer for hydrogen peroxide bleaching*

A silicate free organic stabiliser for peroxide bleaching. Especially suitable for continuous preparation. Offers excellent, controlled decay of peroxide under the most stringent bleaching conditions.

( liq. - A )

*Cotton & Cotton blends*

*Linen & Linen blends*

## Crosprep WB-EN

GOTS

*A rapid wetting and emulsifying agent for scouring and bleaching*

A blend of anionic and non-ionic surfactants formulated to ensure a rapid and penetration of chemicals. It also contains a high amount of very efficient emulsifiers.

( liq. - N/A )

*PES/CO, cotton & blends*

## CROSPROOF

### Crosproof PEM

*Protective agent against destructive insects*

Is a mothproofing agent especially formulated for industrial application which can be used for a long-term protection of woollens and animal fibres such as clothes, blankets and carpets.

( liq. - / )

*Woollens and animal fibres*

## CROSQUEST

### Crosquest AGN

GOTS

*Multifunctional sequestering dispersing agent*

Special sequestering agent, which is particularly suitable for all wet processes including alkaline bleaching, dyeing and soaping-off.

( liq. - A )

*Mainly Cellulose*

### Crosquest AGP

GOTS

*Multifunctional dispersing agent*

A special sequestering agent, which is particularly suitable for all wet process: alkaline bleaching, dyeing and soaping-off.

( liq. - A )

*All fibres*

### Crosquest DAC

GOTS

*Multifunctional acidic sequestrant for alkaline earth and heavy metal ions; effective in acid demineralisation and peroxide bleaching.*

Has excellent sequestering capacity for Ca, Mg and heavy metal ions in acid pH range. Does not volatilise under steam or give rise to unpleasant odour. Non corrosive to stainless steel and does not form insoluble calcium sulphate or oxalate salts. An outstanding property of the product is in its ability, after neutralizing with caustic soda, to maintain its sequestering properties in alkaline medium, making possible one-bath or two-bath treatment of demineralization/peroxide bleaching.

( liq. - A )

*Mainly Cellulosic*

### Crosquest DS

GOTS

*Novel sequesterant, exceptionally strong dispersant for water hardness and helps solubilise dyestuff.*

Is a special sequestering and dispersing agent. It is versatile enough to be used in many applications, such as batchwise preparation or scour/dyeing.

( liq. - A )

*Predominantly cellulosic and blends*

### Crosquest E

*General purpose sequestering agent*

An established sequestrant for general use to give effective removal of calcium and iron. It can be used in most wet processing and is particularly suitable for acid dyeing.

( liq. - A )

*Wool*

## Crosquest H

GOTS

*Highly effective sequestering agent for use in scouring and bleaching*

Very high caustic stable sequestering agent used in continuous bleaching. Builds stable complexes with calcium and ferric ions, also complexes aluminium, chromium and copper.

( liq. - A )

*Mainly Cellulosics and Synthetic blends of it*

## Crosquest HRO

GOTS

*Speciality calcium & iron sequestrant, dispersant for particulates, scavenger for hydrolysed/unfixed reactive dyes*

Extremely versatile sequestrant, particularly effective at sequestering calcium and iron under alkaline conditions. Ideally suited for enhancing scouring and bleaching of cellulosic goods. Can be used for general purpose sequestration of metals in other industrial application.

( liq. - A )

*Predominantly cellulosics and blends*

## Crosquest M-GRZ

GOTS

*Sequestering/dispersing agent*

Particularly suitable scouring and alkaline bleaching. It sequesters alkaline-earth metals coming from the water and or the cotton fibre. The Crosquest M-GRZ prevents the furring of mineral ions in the material and its use prevents the fade to grey effect of the material

( liq. - A )

*All fibers*

## Crosquest NA

*Economical general purpose sequestrant for wet processing treatment of wool.*

Effective sequestrant for most wet processing treatment of wool, particularly under acid conditions such as most acid dyeing operations. The product can be effective over a wider pH range and may find its use in other areas of processing where economy is the main criteria, particularly in relation to the use of EDTA. Crosquest NA is fully biodegradable and can be removed during biological treatment of waste water.

( liq. - A )

*Mainly Wool*

## Crosquest PS

*Highly effective sequestrant for calcium and iron*

Effective sequestrant for the chelation of calcium and metal ions. It can be used where ever strong sequestration is required, such as in the scouring or bleaching process. Not recommended for inclusion in dye baths, as its strength can adversely affect certain dyestuffs which incorporate a metal ion in the chromophore.

( liq. - A )

*Various*

## CROSTAT

### Crostat AS

*Powerful, easy to use, liquid cationic antistatic agent*

Effective and powerful antistatic finish eminently suitable for application to both synthetic and natural fibres.

( liq. - C )

*Synthetic and natural fibres*

### Crostat BJ 30

*Non permanent antistat, exhaustible cationic*

Temporary antistatic agent for natural and synthetic fibres. It can be applied in conjunction with cationic and non-ionic softeners to provide stitch lubricating/antistatic properties to synthetic fibres.

( liq. - C )

*Natural and synthetic fibres*

### Crostat PTA

*Anionic water soluble antistatic agent for wool, polyester and polyamide processing*

Temporary antistatic agent for wool and synthetic fibres, especially polyamide and polyester. Will not adversely affect the dye fastness properties or soiling properties of carpet yarn.

( liq. - A )

*Wool and Synthetics*

## CROSTECA

### Crosteca CLEARER

GOTS

*Dispersing and anti-precipating agent removal of loose colour during TEC treatment*

It is particularly designed for use in the treatment of garments made from mixture of deep dyed and pale or undyed yarns. Crosteca CLEARER is designed to remove surface dye and dyed soluble protein as well as to hold it off the fabric for preventing redeposition or cross-staining

( liq. -N )

*Wool*

### Crosteca DEVE

GOTS

*Residual oxidising agent quencher - TEC treatment*

Remove any exceeding oxidizing agent and to increase the fibre pH in the TEC (Total Easy Care) treatment on wool garments., also develops the latent shrink-resist properties conferred by Crosteca SALT.

( liq. -A )

*Wool*

### Crosteca FIT1

GOTS

*Water soluble silicone elastomeric finish for the shrink resist treatment of wool garments*

Crosteca FIT1 forms part of a package of auxiliaries used in the Shrink Resist treatment of wool garments. Following the preparatory scouring, oxidation/reduction treatments, the application of Crosteca FIT1 can lead to producing a machine washable finish, either on woollen or worsted spun garments.

( liq.- N )

*Mainly wool garments and may also be used on other fibre substrates*

### Crosteca GSD

*Eco-friendly solvent based, re-inforce the action of crosteca lana during pre-scouring (if necessary) - TEC treatment*

Crostec GSD avoids the problems associated with solvent toxicity and surfactant non-biodegradability. It is, however, still a solvent based scouring agent, containing a blend of surfactants and possessing anti-soil re-deposition properties.

( liq.- N/A )

*Wool*

## Crosteca LANA

GOTS

*A high performance scouring-milling agent for removal of mineral oils and other contaminants - TEC treatment*

Crosteca LANA is a highly effective scouring agent. It is particularly efficient in the scouring of woollen hosiery and woven yarns spun using fibre lubricant which contains mineral oil.

( liq. - N/A )

Wool blends

## Crosteca SALT

*Oxidising agent for total easy care (TEC) treatment of wool*

Oxidising additive which is used in conjunction with a special resin to impart high levels of shrink resist characteristics when applied to wool.

( powder )

Wool

## CROSWAX

### Cros wax H W P A

*Wet paraffinating agent for cellulosic yarn; excellent stitch lubricant for cotton knitwear.*

Cros wax H W P A effectively reduces f/f and f/m friction and spreads evenly over the whole yarn surface and the entire package to give excellent surface smoothness. It contributes to very good unwinding of yarn during subsequent processing. The chemical nature of the formulation also helps to provide antistatic properties. □ No rewinding needed unlike the application of hard paraffin waxes. H W P A is generally free of yellowing tendency even at high drying temperature.

( Emulsion - C )

Cellulosics and blends with synthetics

## CROSYME

### Croszyme 75

*Alpha amylase based enzymatic desizing agent.*

Different concentration of alpha-amylase for desizing purposes. Works at temperature lower than 65°C. Can be used in all areas of cotton preparation leading to bleaching.

( liq )

Cellulose and blends

### Croszyme 90

*Alpha-amylase based enzyme, helps desize cotton and denim articles.*

An alpha-amylase for Cotton and Denim desizing. It is compatible with antcrease agent such as Crosoft SCN, Crocolor NLD, scouring and wetting agents such as Croscour RDT, or with Crosden P-NE (wetting & lubricating agent). It can be used for all starch or mixed starch sizes.

( liq. )

Cotton & Denim

### Croszyme HT

*High temperature stable alpha-amylase*

High temperature alpha amylase for desizing.

( liq. )

Cellulosics

### Croszyme MCB

*Acid cellulase biopolish enzyme; provides soft handle.*

Biopolishing enzyme for cellulosics. Enzyme specially developed to remove surface fuzziness and pills from cellulosic goods. Provides a soft handle to the treated goods.

CROSDEN MCB is a new generation of acid cellulase

( liq. )

Denim, cotton, cellulosic

### Croszyme MCB-T

*Liquid biopolishing aid for cellulosics with general enhancement of handle.*

Enzymatic finishing auxiliary especially developed for biopolishing. Croszyme MCBT is a liquid which removes surface fuzziness and pills from cellulosic goods. It also provides a soft handle to the treated goods

( liq. )

Cellulosic

### Croszyme NAP

*Enzymatic finishing agent biopolishing*

Is a liquid enzymatic-finishing auxiliary especially developed for biopolishing. Croszyme NAP is a product, which removes fuzz and pills from cellulosic goods.

( liq. )

Cellulosic fibres

## Croszyme PEK

*Stabilized liquid enzyme type: catalase*

Stabilised liquid catalase, specifically breaks down hydrogen peroxide into non-active oxygen and water. It has no effect on textile fibres or dyestuffs. It is applied in enzymatic bleach clean-up where residual hydrogen peroxide is removed from textile material and process liquid prior to dyeing step. Effective beach clean-up is especially important when dyeing with dyestuffs sensitive to oxidation.

( liq. )

All fibres undergoing hydrogen peroxide bleaching