

PRE-TREATMENT AND DYEING







COLOR CENTER, OUR COMPANY

Was founded in 1978. From the beginning, it has been consecrated to the design, production and marketing of dyestuffs and auxiliary products for the textile industry.

According to its wide experience and always looking ahead, the main objective of **Color-Center, S.A.** is to guarantee a complete and a tailor-made service to its customers. Thanks to this policy, our products are acquired by an increasing number of customers from all around the world. We offer specific solutions adapted to our customers requirements and we are proud to offer the highest quality services to a large number of customers.



RESEARCH, DEVELOPMENT, INNOVATION

Color Center, S.A. is a research & innovation driven chemical company, strategically focused on textile chemistry market. Our mission is to provide high value-added solutions to the technological challenges posed by our clients in a dynamic and constantly changing environment.

We have a wide experience in the textile sector with highly qualified staff and modern laboratories for synthesis, chemical characterization, application and quality control. We are aware of the competitive advantage that means incorporating the external talent and "ideas" to our innovation process. For that reason we work under a collaborative and highly flexible model based on the "Open Innovation". We work closely with Customers, Suppliers, Experts and Technological Centers to offer our customers the best service and remain at the forefront of the sector.

We work systematically in the development, acquisition and design of new materials and Nano-materials that allow us to offer more sustainable products with an improved toxicological profile, while maintaining the most demanding level of performance and quality required by the current market.

DISTRIBUTION, PRODUCTION AND WAREHOUSES

Our products are distributed worldwide in the best conditions and with the highest punctuality from our factories and warehouses located in the most strategic areas. Our warehouses are equipped with the latest logistic systems, which allow us to manage the goods efficiently and to deliver them within the best deadlines.

Furthermore, our experience in the field of import / export permits us to be present anywhere in the world. CENTER QUIMICA S.A.C. is the operational base of the Group Color Center in the area of South America.





DISPERSING

PRE-TREATMENT AND DYEING

Our expertise in textile chemistry allows us to offer customer-oriented product developments. Innovative product range for all textile processes: scouring, bleaching, dyeing... Every product has been carefully developed in terms of process efficiency, reproducibility, fastness, levelness, sustainability... Value-added products thanks to open innovation and proprietary know-how.



Color Center offers outstanding customer service for pretreating and dyeing all kind of goods (wovens, knits, fibers, yarns, nonwovens):

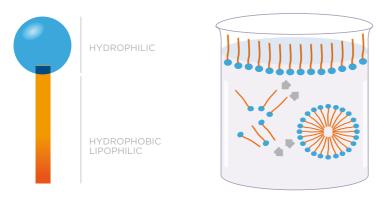
SOAPING

- · Preparation of complete recipes using our range of textile auxiliaries and dyestuffs.
- · Development of processes and products, matched to the individual customer requirements.
- · Simulation of pretreatment and dyeing processes in the laboratory.
- · Carrying out tests according to national, international as well as specific customer standards (spectroscopic analysis -FTIR-, fastnesses, microscopic analysis, microbiologic testing...).

EXPERTISE IN SURFACTANT TECHNOLOGY

We provide true expertise and advice to our clients. With cutting-edge laboratory facilities and production lines we are able to offer both conventional and unique surfactant products.

We see technical support as key to the growth of the business, and as a company we continually develop new surfactants to meet customer demands.

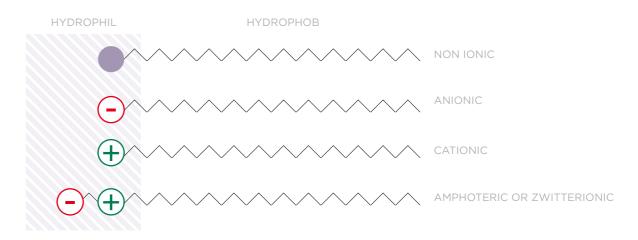


Surfactants contain both a hydrophobic and a hydrophilic section, and as a combination of these two differing characteristics within the molecule, many differing properties can be achieved. We have products that produce high or low foam.

Some products offer excellent detergency and are used in cleaning formulations. We have surfactants that offer good emulsification of oils and oligomers. We have some products that offer excellent wetting power and some that offer both wetting and dispersing properties.

SURFACTANTS STRUCTURE & PROPERTIES

In terms of inonicity there are 4 kinds of surfactants:



Products are available for each of the surfactant types, anionics, nonionics, cationics and amphoterics. In our synthesis & formulation laboratories we develop products tailored to meet the most demanding specifications.

WETTING AGEN	ITS T	PREPARATION	MERCERIZATION	DYEING	BLEACHING	FINISHING
COMPLEX F-908	Nonionic wetting, deaerating, high concentration of general application.	X	-	X	X	X
COMPLEX FD	Nonionic wetting, deaerating of general application.	Χ	-	Χ	Χ	Χ
COTEMOLL MR	Fast anionic wetting for preparation and dyeing of cotton fiber.	X	-	_	Χ	-
COTEMOLL SAS	Fast anionic wetting for preparation and reactive dye and vat to the continuous application.	Χ	-	X	-	-
COTEMOLL HC NUEVO	Wetting - lubricant for dyeing cotton.	-	-	Χ	_	-
COTEMOLL MGK	Wetting agent for mercerising and causticising processes.	-	X	-	-	-
COTEMOLL WET FL	Fluorinated wetting agent for coating pastes.	-	-	-	-	Χ
COMPLEX 2000 ULTRA	Deaerating and defoaming, wetting.	Χ	-	Χ	Χ	-
COTEMOLL MD	Wetting agent for finishes. It does not affect the properties of fluorocarbon.	-	_	_	-	Χ

CONTINUOUS	DISCONTINUOUS	CELLULOSIC	WOOL	PES	PAN	PA	SOLID CONTENT %	IONIC CHARACTER	CONTAINS	CONTAINS	DEAERATING PROPERTIES	НОАМ
Х	Χ	X	Χ	Χ	X	X	93	N	-	Χ	X	0
X	Χ	X	Χ	Χ	Χ	Χ	51	N	-	Χ	Χ	0
-	X	X	Χ	-	-	-	27	А	-	-	-	3
X	Χ	X	-	-	-	-	30	А	_	-	-	1
-	Χ	X	_	-	-	-	45	A/N	_	_	_	0
X	-	X	_	_	_	-	34	Α	-	-	_	0
Χ	Χ	Χ	Χ	X	-	Χ	25	Α	_	-	-	0
-	Χ	Χ	Χ	X	-	Χ	20	А	Χ	-	Χ	0
Χ	-	Χ	X	X	X	Χ	3	А	_	-	-	0

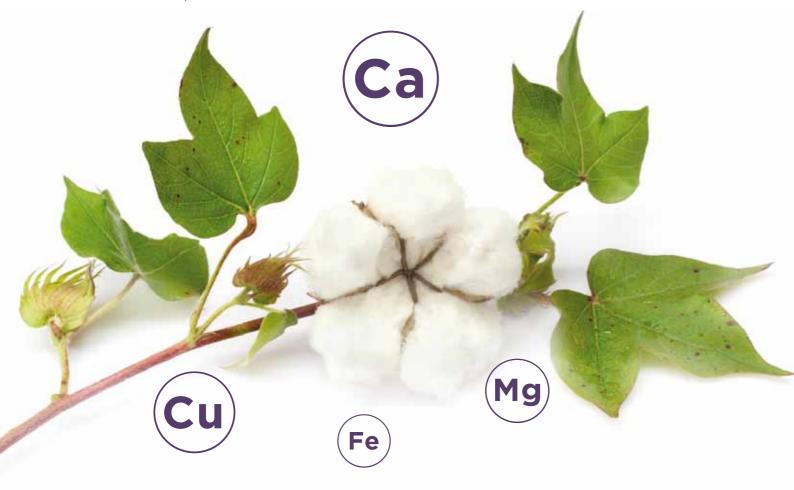
DETERGENTS		APF	PLICATION	N	PR	ROCESS		FIBER	TYPE			PR	ODUCT PROP.	
DETEROLITIS		PREPARATION	DYEING	BLEACHING	CONTINUOUS	DISCONTINUOUS	CELLULOSIC	WOOL	PES	PAN	PA	SOLID CONTENT %	IONIC CHARACTER	FOAM
COTEMOLL TOB	Detergent for pretreatment, desizing and washing of cotton, synthetic fibers and blends.	X	-	-	-	X	Х	-	Χ	-	-	30	A/N	2
PRODUCTO DSC	Detergent - wetting - sequestering for scouring and desizing of cotton Padding process.	X	-	-	Χ	-	X	-	-	-	-	36	A/N	2
	Detergent - wetting concentrate for scouring and bleacning of cotton and blends.	X	-	Х	-	Х	Х	-	-	-	-	85	N	1
COTEMOLL DNS	Detergent and wetting agent for the pretreatment of cotton and its polyester blends.	Χ	-	Χ	-	Χ	-	-	-	-	-	38	N	1
COTEMOLL MFA	Special wetting-detergent agent with emulsifying properties for continuous pretreatment steps of cellulosic fibres and their blends with synthetics.	X	-	Χ	X	-	X	-	-	-	-	80	A/N	1
COTEMOLL BSL NUEVO	Multifunctional product (organic stabilizer, detergent, emulsifier and sequestrant). Good wetting and low foaming power.	-	-	Х	-	X	Х	-	-	-	-	22	А	1
COTEMOLL E2	Detergent - bleach activator with hydrogen peroxide.	-	-	Χ	-	-	X	-	-	-	-	30	N	-
COTEMOLL SIT	Emulsifier detergent of paraffins and silicones.	X	-	-	Х	X	X	_	-	_	Χ	30	ANF	3
COTEMOLL D-750	General purpose detergent with biodegradable solvents.	X	-	-	-	Χ	X	_	_	_	X	35	A/N	1
PRODUCTO PCB 202-S	Solvent detergent for pretreatment of all kind of fiber.	X	_	-	Χ	Χ	X	_	Χ	_	-	60	Ν	1
COTEMOLL TS	Dispersing and accelerator of polyester dyeing diffusion.	X	-	-	-	-	X	Χ	Χ	_	X	100	A/N	1
AMPLEX HTA	Detergent - dispersant for simultaneous scouring and dyeing PES/CV.	-	X	-	-	X	-	-	X	-	-	40	A/N	1
COTEMOLL MWS	Detergent - dispersant wich facilitates the removal and prevents deposits of oligomers during the dyeing process.	-	Χ	-	-	X	-	-	X	-	-	25	А	2
COTEMOLL CWP	Detergent-dispersant antibackstaining in washing denim.	-	-	-	-	-	-	-	-	_	-	30	A/N	2
COTEMOLL PS LÍQUIDO		-	-	-	-	Χ	-	Χ	-	_	-	20	Α	3
COTEMOLL NI	Detergent - wetting nonionic generally applicable to all types of fiber.	×	-	Χ	Х	X	X	X	-	Χ	-	85	N	3
COMPLEX EX	Detergent for pretreatment, desizing and dyeing of cotton, synthetic fibers and blends.	X	Χ	X	X	-	X	X	-	-	_	74	А	3
COTEMOLL RV	Detergent for soaping of prints polyamide.	-	Χ	-	-	-	X	-	-	_	-	27	N	2
COTEMOLL DC	Wetting, detergent and Special Degassing for coil.	X	Χ	X	-	Χ	X	-	-	-	-	40	A/N	0
COTEMOLL NFS	Wetting, detergent general application, low foam.	X	Χ	X	-	Χ	X	_	Χ	_	-	30	Ν	0
DETERGENTE Q	Detergent for cleaning of cylinders, boxes and stamping dies.	-	-	-	-	-	-	-	-	-	-	30	А	-
AMPLEX SDM	Product for cleaning dyeing machinery.	-	-	-	-	Χ	-	-	_	_	-	25	А	-
COTEMOLL 803-C	Detergent for washing ready-made garment.	X	X	-			X	Χ	X	_	-	30	N	2
COTEMOLL MH40	Anionic detergent with wetting properties, emulsifier and re-moisturizes.	X	-	-	X	-	Х	-	-	-	-	25	А	3
COTEMOLL N CONC.	Anti-precipitant for dyeing acrylic fibers.	_	X	-	-	-	-	_	-	X	-	14	N	3

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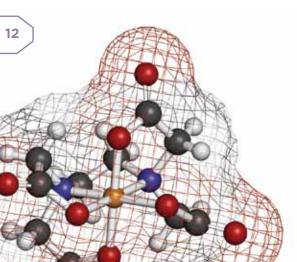
SEQUESTERING AGENTS & PEROXIDE STABILIZERS FOR OPTIMAL PROCESS PERFORMANCE

Since trace amounts of soluble iron, copper, manganese, calcium, and other metals occur naturally in many raw materials, the potential for scaling and undesirable metal-catalyzed reactions is widespread. These metal ions are normally found in processing water, and can also be introduced during processing.

Among the different types of metal ion control agents in use today, **Color Center** chelating agents produce the most stable complexes with metal ions and generally provide the most effective control of metal ion problems.



Color Center chelating & dispersing agents are the least costly option for metal ion control due to their effectiveness at remarkably low concentrations. Unique advantages of **Color Center** sequestering agents include:



- · Enhanced sustainability
- · Predictable performance
- · High thermal stability
- \cdot Chemical stability
- · pH stability

SEQUESTERIN				APP	LICAT	ΓΙΟΝΙ	PROC	ESS		
		SOLID CONTENT	ECOTOXICITY	DYEING	SCOURING	DEMINERALIZATION	DESIZING	BLEACHING	MERCERIZATION	SOAPING
AMPLEX BC POLVO	EDTA-based sequestering agent. High chelating power for iron.	85	3	-	Χ	-	-	Χ	-	-
AMPLEX SET	Phosphonate sequestering & dispersing agent for bleaching processes. High chelating power for iron.	16	1	-	X	-	X	X	-	X
AMPLEX D-230	Phosphonate/acrylate sequestering & dispersing agent for dyeing cellulosics. With ability to chelate iron.	25	1	X	-	-	X	X	-	X
AMPLEX CA-ECO	Sequestering & dispersing agent for general application, phosphorus-free, readily biodegradable.	20	0	X	-	-	-	-	-	X
AMPLEX MS	Phosphonate sequestering agent for dyeing. With ability to chelate iron.	39	1	X	Χ	-	Χ	Χ	-	X
AMPLEX D6/NA	Phosphonate sequestering & dispersing agent for the preparation and bleaching of goods. With ability to chelate iron.	28	1	-	X	-	-	X	-	X
AMPLEX XEL	Sequestering agent for the demineralization of cellulosic fibers. Excellent chelating power for iron.	40	1	-	X	X	-	-	-	-
AMPLEX BC-ECO	General application sequestering agent, phosphorus-free, readily biodegradable. High chelating power for iron.	34	0	X	X	-	X	X	-	X
AMPLEX RG A.C.	Phosphonate sequestering & dispersing agent for general application. No demetallizing effect. With ability to chelate iron.	40	1	Χ	X	-	Χ	X	Χ	Χ
	Sequestering & dispersing agent based on acrylic copolymer.	40	1	X	-	-	- : Low ·	-	-	X

PEROXIDE STABILIZ	ZERS	CONTINUOUS	DISCONTINUOUS	SOLID CONTENT %
ESTABILIZADOR H2O2	Organic stabilizer and sequestering agent for iron in alkaline medium.	-	X	20
ESTABILIZADOR VP	Organic silicate-free stabilizer.	X	X	20
ESTABILIZADOR VP CONC	Organic stabilizer of general application, silicate-free, recomended for pad-steam.	Χ	X	40
COMPLEX RNB	Silicate-based stabilizer for pad-batch application.	X	X	40

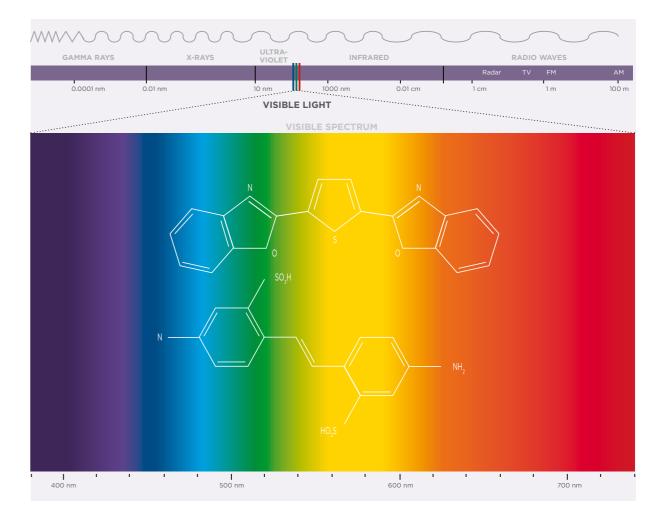
PRE-TREATMENT AND DYEING

COLOR CENTER Dyes & Chemical Products

OPTICAL BRIGHTENERS TECHNOLOGY LEADER IN HIGH PERFORMANCE OPTICAL BRIGHTENING AGENTS



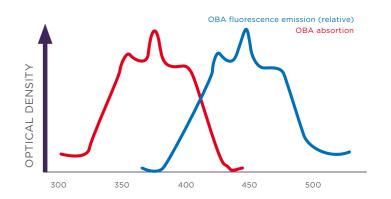
Optical Brightening Agents (OBAs) absorb in the UV range of the spectrum (350-360 nm) and re-emit it in the blue portion of the visible spectrum (400-500 nm). A white surface treated with an optical brightener can emit more visible light than that which shines on it, making a pleasing whiter-than-white appearance.



As a leading manufacturer and exporter of Optical Brighteners, **Color Center S.A**. offers a wide range of Optical Brightening Agents suitable to be applied on different substrates like Polyester, Cellulose, Nylon, Silk, Wool...

FEATURES AND BENEFITS

- · Brilliant, bluish whitening effects
- · Good light fastness
- \cdot Excellent resistance to heat
- · High chemical stability
- \cdot Low volatility
- Good compatibility



Major products can be customized as per customer's needs i.e. Shade (bluish, violet, ...) Strength (E Value) and Active content. Just contact us for discuss precise requirements and obtain advice on which products are required to suit your exact needs.

OPTICAL BRIGHTENERS

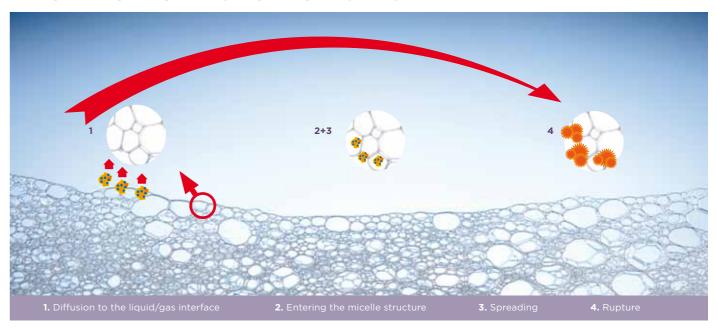
APPLICATION PROCESS

JPTICAL BRIG	HIENERS					
		FIBER	AFFINITY	SHADE	CONTIN.	DISCONTIN.
OPTICOL BR LÍQUIDO	Very good stability in acid baths together with resin until pH=4,5.	CELLULOSIC	MEDIUM	NEUTRAL	X	X
OPTICOL BU	Good stability in the bleaching baths with peroxide or reducing agents.	CELLULOSIC	LOW	NEUTRAL	X	-
OPTICOL NBS/B	Effects of very bright white blue-violet hue. Good stability in peroxide bleaching baths so the reproductibility is improved. Thanks to its high performance and sharpness it is their right OBA for processes "Simply White".	CELLULOSIC	HIGH	BLUE VIOLET	-	Χ
OPTICOL CM-2B	Provides high degrees of white, intense bluish shade. Good stability in peroxide bleaching baths. Suitable for automatic dispersing equipment.	CELLULOSIC	HIGH	BLUE	X	Χ
OPTICOL CM-B	Provides high degrees of white, intense bluish shade. Good stability in peroxide bleaching baths. Suitable for automatic dispersing equipment.	CELLULOSIC	HIGH	BLUE	-	X
OPTICOL PB LÍQUIDO	Optical brightener for cellulosic fibers, polyamide, wool and silk. High affinity particularly suitable for the exhaust process. Good stability in bleaching baths with peroxide or hydrosulfite.	CELLULOSIC	HIGH	NEUTRAL	-	Χ
OPTICOL PB LÍQ. B NUEVO	Tinged optical brightener for polyamide fibers. Application by exhaustion, stable in reducing baths.	POLYAMIDE	HIGH	BLUE	-	Χ
OPTICOL LC/B	Outstanding light fastness: very suitable for swim- wear fabrics. Excellent stability to chlorite. Stable over a wide pH range. Excellent stability against reducing and oxidizing agents.	POLYAMIDE	HIGH	BLUE	X	Χ
OPTICOL PA-D	Tinged optical brightener for polyamide and acetate fibers. Applicable by exhaustion and continuous processes.	POLYAMIDE	HIGH	BLUE	Χ	Χ
OPTICOL SLC 90%	Tinged optical brightener (violet) for polyamide, wool, silk, cellulosic fibers and mixtures thereof. Applicable by exhaustion and continuous. Good lightfastness.	POLYAMIDE WOOL SILK CELLULOSIC	HIGH	VIOLET	X	X
OPTICOL PAT-S	Tinged optical brightener for polyamide, wool, silk, cellulosic fibers. Applicable by exhaustion and continuous processes.	POLYAMIDE WOOL SILK CELLULOSIC	HIGH	NEUTRAL	X	Χ
OPTICOL CPB-M	Tinged optical brightener for polyester fibers. Applicable by exhaustion and continuous processes.	POLYESTER	HIGH	BLUE	X	Χ
OPTICOL PES-MB	Optical brightener that provides high fast- nesses. Highly recommended for application in peroxide bleaching bath when mixtures of PES/ CO are handled.	POLYESTER	HIGH	BLUE	X	Χ
OPTICOL UPR	Optical brightener for polyester fibers and its mixtures. Applicable by exhaustion and continuous processes.	POLYESTER	HIGH	NEUTRAL	X	X
OPTICOL TJ-TM	Optical brightener for exhaustion and continuous processes. Confers very bright whites with blueviolet shade.	POLYESTER	HIGH	BLUE VIOLET	X	Χ
OPTICOL PVC	Bisbenzooxazol derivative for incorporation into plastic materials (especially polymers and synthetic resins thermoplastics). High thermal stability (suitable for fiber extrusion processes). High lightfastness.	POLYPROPYLEN POLYSTYRENE VINYL-RESINS COATINGS VARNISHES	E N.A.	NEUTRAL	N.A.	N.A.

ANTIFOAMING AGENTS GET YOUR FOAM UNDER CONTROL

Color Center's defoamers provide excellent foam control and maximum compatibility at the same time. The well balanced raw material base (organomodified siloxanes, organic oils & waxes, surface-modified silica) leads to a wide range of excellent defoamers, suitable for a multitude of industry applications.

DEFOAMING MECHANISM CRITICAL STEPS:



Color Center's antifoaming/defoaming product range has an attractive cost/performance ratio together with a high performance:

- · High compatibility
- · No negative side effects
- · Long term efficiency
- \cdot Good handling characteristics
- $\cdot \ {\sf Enhanced} \ {\sf sustainability}$

1A	NTIFOAMING AG	SENTS	SHEAR STABILITY	ELECTROLITE STABILITY	ACTIVE MATTER %
	COMPLEX 1646	Silicone antifoam of general application, highly effective.	MEDIUM	MEDIUM	16
Α	NTIESPUMANTE S159	Silicone antifoam of general application. With high alkali, electrolyte and shear stability.	HIGH	MEDIUM	15
AN	TIESPUMANTE D-200	Silicone antifoam concentrate of general application.	MEDIUM	MEDIUM	30
	COMPLEX EV	Antifoam based on vegetable esthers, highly biodegradable.	HIGH	MEDIUM	24
А	ANTIESPUMANTE SAE	Mineral oil and organic waxes based defoamer. High stability.	HIGH	HIGH	100



Our auxiliaries create value by improving process efficiency & reliability, safety, protection... while also quality, durability and appearance of goods.

We provide high-quality textile processing chemicals with less impact on the environment and with a world-class knowledge of pre-treatment and dyeing solutions.

FIX	(ING	AGEN	TS

ESTERFIX SEC	Formaldehyde free fixyng agent for cellulosic fibers.
ESTERFIX FRC-60	Fixing agent for cellulosic fibers with low Formaldehyde content.
ESTERFIX DMP	Crocking fastness enhancer.
ESTEROL RWA-D	Fixing agent for polyamide or wool fabrics.
ESTERROL RWS	Fixing agent for polyamide or wool fabrics. Stable to high acid liquors.

HYDROPHILIC AGENTS

ESTEROL LFP	Lubricant and Hydrophilizing agent for polyester and polyamide fibres.
ESTEROL PE	Antistatic and Hydrophilizing agent for polyester fibres.
PRODUCTO HP	Hydropholizing agent for synthetic fibres.

LUBRICANTS

AMPLEX AS	Lubricant agent with dispersing properties.
LUBRICANTE FL	Lubricant for all fibres.
LUBRICANTE PS	Lubricant for all fibres, suitable for automatic dispenser systems.
LUBRICANTE C GRANOS	Special lubricant for elastic fabrics.
LUBRICANTE LDA	Special lubricant for elastic fabrics.

LEVELLING AGENTS

ESTEROL I-30	Levelling agent. Special for printing washing off and redyeing.
IGUALADOR CO	Levelling agent for cellulosic fibers.
IGUALADOR ORT	Levelling agent for cellulosic fibers. Doesn't block tthe fibre.
ESTEROL G	Levelling agent for acid dyes. With dyestuff affinity.
ESTEROL SB NUEVO	Levelling agent for acid dyes. With anti-bars effect.
ESTEROL WD	Levelling agent for wool dyes.
ESTEROL MG-32	Migrating agent for acrylic fibers.
ESTEROL RDA	Retarding agent for acrilyc fibers.
ANTIMIGRANTE IS 200	Antimigrating agent for continous dyeing.

DISPERSING AGENTS & CARRIERS

DISPERSANTE US/P	Levelling-dispersing agent for dispers dyes.
COTEMOLL RNF	Detergent and dispersant for scouring and dyeing simultaneous.
ESTEROL 626-R	Migrating agent for disperse dyes.
ESTEROL 313	Economic migrating agent for disperse dyes.
ESTEROL BS-N LIQ.	Dispersant agent for disperse dyes.
ESTEROL 1500 C	Carrier for dyeing poliester fabrics.
ESTEROL BFA	Ecologic carrier for dyeing poliester fabrics.

pH REGULATORS

AMPLEX TAF	Buffer for disperse dyes.
COTEMOLL DIS	Alkaline buffer for scouring polyamide/elastane blends.
ESTEROL 2095	Acid donor for polyamide dyeing.
ESTEROL F	Acid donor for polyamide dyeing (suitable for pale shades).
ESTERROL AC-P	Alkali donor for reactive dyeing.
COMPLEX TA-5	Acid buffer for enzimatic blasting.

REDOX PRODUCTS

AMPLEX 1001	Biodegradable sulfur-free reducing agent.
RECDUCTOR R CONC	Modified organic reducing agent. Highly concentrated.
REDOX PTD	Liquid reducing agent for reduction clearing of polyester fabrics.
ANTIRREDUCTOR 1130	Anti-reducing agent stable in a wide range of pH (alkaline and acid).
ANTIRREDUCTOR RD	Anti-reducing agent stable in acid pH.
ANTIRREDUCTOR G LIQ	Anti-reducing agent stable in alkaline pH.
ANTIRREDUCTOR G GRANOS	Concentrated anti-reducing agent stable in alkaline pH.





OFFICIAL DISTRIBUTORS FOR SPAIN AND PERU



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