Since its beginning in 1938, Piedmont Chemical Industries’ mission has been to create good chemistry. Ours is an industry that insists on the twin virtues of quality and service. PCI takes pride in over half a century of productive and successful operation. We look ahead to the coming decades with confidence and enthusiasm, anticipating an even greater impact on the textile industry.

**PREPARATION**

**WETTING AGENTS:**

**PENETRANT AME** – Nonionic rapid wetting penetrant that is non-rewetting.

**PENETRANT AS BASE** – Anionic wetter for all fibers that rewet.

**POMOCO 8425** – Quick wetting and deaerating agent with durable anti-foaming properties that are stable in peroxide bleaching conditions.

**PENETRANT TER** – Anionic wetter and penetrant which is stable to the extreme conditions of both chlorine and peroxide bleaching.

**WETTER 249** – Nonionic wetting agent which is especially designed for use in all types of pad finishing processors.

**PENETRANT NAS 3** – Anionic penetrant for extreme caustic levels such as mercerizing.

**PENETRANT GF 7** – Anionic wetter for the alkaline processing of denim and all fiber types.

**POMOCO 1030** – Low foaming, nonionic wetting agent that is stable to peroxide bleaching.

**SCOURING AGENTS:**

**POMOSCOUR L 70** – Pre-scour for wool and synthetics that also is used as an anti-precipitate in one bath multi-dye system.

**POMOSCOUR TLPP** – Concentrated liquid replacement for powdered phosphate scours.

**POMOSCOUR SVL** – Nonionic, concentrated scour especially for the treatment of high wax content goods.

**POMOSCOUR 32Z** – Anionic blend of surfactants which does an excellent job of lycra/spandex spin-finish removal without the use of solvents.

**POMOCO WSC** – Extremely concentrated combination scouring and wetting agent especially designed for the preparation of cotton and poly/cotton knit piece goods and garments.

**POMOSCOUR SBF** – Varsol based scour especially designed for cotton and cotton blend preparation including bleaching.

**POMOCO SD 4** – Fulling soap for the processing of wool and wool blends which is stable to both soda ash and sulfuric acid.

**POMOSCOUR GP 50** – Bleach stable wetter/scour combination which is especially suited for the pad bleaching of cotton and cotton blends.

**POMOSCOUR BJC** – Non alkyl phenol, nonionic scouring agent which is extremely low foaming. Removes waxes and oils like NP ethoxylates, but can be used in a jet without defoamer.

**POMOSCOUR PSW** – Wetter and scour for the pad bleaching and alkaline pad scouring of cotton and cotton blends.

**POMOSCOUR BLF** – Low foaming wetter and scour especially formulated for use in JEMCO continuous bleaching equipment.

**POMSCOUR D 35** – Powder detergent for the removal of floor soil, machinery grease and graphite stains.

**POMOCO NCFN** – Highly concentrated detergent and wetter especially useful in enzyme desizing.

**POMOSOLV NSAW** – Blended anionic scour especially for high oil content goods like lace and shear goods.

**POMOSCOUR TVS 2** – Anionic detergent that is an effective post scouring agent of synthetic prints. Results: Improved fastness and bleed properties for all synthetic fabrics.

**POMOSCOUR TLS** – Extremely effective post scouring agent of synthetic prints. Results: Improved fastness and bleed properties for all synthetic fabrics.

**POMOSCOUR TRD** – Extremely effective post scouring agent of synthetic prints. Results: Improved fastness and bleed properties for all synthetic fabrics. Also, very effective in the scouring and removal of size on different types of synthetic fabrics.

**POMOSCOUR HOSJ** – High performance low foaming scour formulated for the efficient removal of difficult spin finishes, waxes, and oils from cellulosic and synthetic fibers. Excellent scour for Lycra® blends.

**CHELATE AGENTS:**

**POMELEINE S** – EDTA type chelate for Ca and Mg.

**POMELEINE S 8** – Concentrated blend of chelates for Ca, Mg, Fe and Cu even at extreme pH conditions.

**POMELEINE S 21** – Liquid SHMP water conditioner for fiber reactive dying.

**CONDITIONER CLC** – An inorganic antichlor to prevent due to chlorine from municipal water systems.
POMOLEINE CNO - EDTA chelate which is processed to provide the lowest cyanide ratings attainable.

POMOSPERSE AL 46 - Calcium and Magnesium dispersing agent for preparation and bleaching which increases the efficiency of scours and promotes the ready release of caustic and silicate.

POMOLEINE AL 66 - The same active ingredients as Pomosperse AL 16 with added iron chelating agents.

POMOLEINE DFE - Concentrated chelate blend which is especially useful in the sulfur dyeing of cellulose.

POMOLEINE SG 84 - Highly alkaline stable chelate combination; for the sequestering of Ca, Cu, Fe, Mg, Mn and Zn.

POMOLEINE SHL - Concentrated EDTA/DTPA blend which can be used for bleaching, scouring, or dyeing.

POMOLEINE ST 6 - EDTA based chelate with added iron sequestrants which will even chelate precipitated iron.

POMOLEINE T3P - Concentrated chelate blend for highly alkaline processing containing a special additive to prevent scale build up on processors.

BLEACHING AGENTS:

STABILIZER CEB - Alkali, buffer and peroxide stabilizer that is freer rinsing than sodium silicate.

POMOSPERSE AL 55 - Dispersant and scale inhibitor to reduce build up in causticizers and bleach ranges and to promote the ready release of silicate and caustic.

STABILIZER HDC - Economical organic stabilizer for the batch peroxide bleaching of cotton and blended fabrics and yarn.

STABILIZER JBS - Organic stabilizer formulated especially for use in JEMCO continuous bleach ranges. Excellent in the prevention of processor scale build up.

STABILIZER SFPC - Highly concentrated organic stabilizer for use alone or as a silicate extender which is suited for both batch and continuous machinery.

STABILIZER PAD - Organic stabilizer formulated especially for the pad bleaching of cotton and cotton blends.

NEUTRALIZER C 1 - Non-volatile neutralizing agent for the souring of bleached fabrics, yarn and garments which does not cause the detrimental effects on stilbene based opticals that acetic acid can create.

WHITENER CP 1 - Exhaustible optical brightening agent that is stable to the conditions of chlorine bleaching. Excellent for the bluest white on cotton and cotton blend hosiery.

POMOCO 139 - Powder bleaching package that contains alkali, detergent, chelate and stabilizer.

POMOCO CLA - Clay based product that replaces peroxide stabilizer, scouring agent, chelate, and lubricant in batch bleaching operations.

ENZYMES:

SYNTHAZYME HST - Thermal stable alpha amylase for the desizing of woven goods.

SYNTHAZYME HC - Highly concentrated version of the Synthazyme HST.

SYNTHAZYME BHL - Blended alpha amylase enzyme that is especially useful in batch desizing.

SYNTHAZYME CES - Highly concentrated acid cellulose for all types of bio-polishing.

SYNTHAZYME PF 200 - Extremely aggressive cellulose blend that is ideal for processing Lyocell type fabrics.

SYNTHAZYME T 100 - Catalase enzyme for peroxide deactivation after bleaching.

SYNTHAZYME CAT 6 - Catalase enzyme for peroxide de-activation after bleaching.

DYEING

LUBRICANTS:

LUBRICANT LRD - Fiber to fiber lubricant for all types of batch bleaching or dyeing.

POMOLUBE 1170 - Polyacrylamide lubricant which is salt tolerant and provides superior fiber to fiber lubricity.

SYNTHALUBE AP 50 - Polymeric/anionic blend which is especially helpful in preventing crack marks in continuous bleaching.

FIXING AGENTS:

POMOCO 1250 - Anti-migrant for direct dyes which prevents migration while wet and during drying.

POMOFIX G 48 - Resinous fix for direct and reactive dyes which improves fastness characteristics.

POMOFIX NL 45 - Resinous fix for direct and reactive dyes which will not precipitate loose dyestuff.

POMOFIX NFF - Non formaldehyde fixing agent for direct and reactive dyes.

FIXING AGENT XP 10 - After treatment for acid dyed nylon which replaced tannic acid and tarar emetic.

POMOFIX DXB - Polymeric nylon fix which is tolerant to acid pH, so it can be used in bath as well as a post treatment. Excellent wash and bleed fastness.
**DEFOAMERS:**

**DEFOAMER 925** – Free rinsing type silicone, ideal for continuous and back dyeing of nylon carpet.

**DEFOAMER NSD** – Highly effective non silicone jet defoamer that is electrolyte tolerant.

**DEFOAMER 337** – Antifoam agent for all machinery types that is stable to a wide pH range.

**DEFOAMER FK 100** – Highly efficient free rinsing silicone defoamer that is stable to both reactive dyeing and peroxide bleaching conditions.

**DYEING ASSISTANTS/COTTON CELLULOSE:**

**POMOLEV XCQ** – Leveler for direct dyes which allows all salt to be added at beginning of dye cycle.

**POMOCO FRL** – Phosphate free liquid alkali for fiber reactive dyes.

**POMOSPERSE AL 36** – Solubilizer, dispersant, chelate and afterscour for fiber reactive dyes.

**POMOLEV EC** – Leveler for vat dyes for maximum dye dispersion and penetration.

**POMOCO 177** – Sodium nitro-benzene sulfonate blend with other assistants to minimize hydrolysis of reactive dyes in long baths.

**LEVELER XCP** – Leveling agent especially formulated for the direct and reactive rotary dyeing of garments.

**POLYESTER:**

**POMOLEV CTM 55** – A high performance polyester leveling agent for use in low liquor dyeing applications. Shows outstanding reduction of the rate of dye strike as the temperature rises in the dyeing process, therefore insuring leveling of shade.

**POMOLEV GPL** – A high performance polyester leveling agent showing excellent dispersion of disperse dyes. Shows great leveling and is very effective lubricant and trimer suppressant.

**POMOCO PC 1** – Butyl Benzoate based carrier for polyester and triacetate.

**POMOSPERSE IL** – Dispersant for disperse dyes used in the drug room and the dye bath.

**POMOCO CLRR** – Non reductive after clear for improving wash and crock fastness.

**POMOSPERSE J 94** – Special non carrier leveling additive for the smooth dyeing of trouble shades.

**CARRIER LO 4** – Low odor carrier specially formulated for the atmospheric dyeing of polyester.

**CARRIER DPO 1** – Powerful migrating additive, designed for repair work and use after machine tangles.

**POMOCO C47Q** – New generation product which virtually eliminates the down stream effects of trimer.

**POMOVOL PC 22** – Emulsified Butyl Benzylate for superior transfer and migration without chlorinates.

**POMOCO TXF** – Disperse dye leveling agent that also gives lubrication and some softening.

**CARRIER NOC** – No odor phthalimide based carrier for the disperse dyeing of polyester and is highly biodegradable.

**NYLON:**

**POMOLEV NHM** – Retarding type leveling agent for acid dyes on nylon.

**POMOLEV CB 31** – Anionic migrating agent for acid dyes on nylon.

**BUFFER MSP 3** – Phosphate free buffering agent for acid dye systems.

**POMOSSIST OD** – Acid donor system that is kinder to the effluent than other glycol producing agents.

**POMOLEV WL 56** – Acid dye leveling agent for the processing of nylon hosiery, especially in overloaded machinery or where the goods are in tightly bunched bags.

**POMOCO CMPA** – Extremely concentrated nylon retarder for the processing of both yarns and carpet.

**POMOSSIST 18 J** – Migrating type leveling agent for the acid dyeing of nylon.

**POMOLEV CD 512** – Acid donor dye solubilizer for acid dyes on nylon.

**ACRYLIC:**

**POMOLEV AYM** – Combination wetter, leveler and retarder for dyeing acrylic.

**POMOCO RL 537** – New generation acrylic leveler with lower BOD-COD ratings than traditional retarder leveler systems.

**POMOCO BTAC 60** – Migrating agent for dyeing and repairing cationic dyeable acrylic.

**POMOCO 1014** – Strike accelerating agent for the processing of acrylic where maximum depth of shade is desired with minimum processing time.
FINISHING

PACKAGE:

SOLUBLE WAX HWH – Mill tailored winding emulsion for cotton and cotton blends which give lubricity, softness and weight regain.

SYNTHALUBE TXB – In bath applied lubricant for the treatment of sewing thread.

POMOLUBE VW 55 – Kiss applied winding emulsion that gives excellent coefficient of friction without the use of wax discs. Also gives regain and may give better dye yield than goods treated with wax discs.

SOLUBLE WAX RWF – Winding emulsion to impart the lowest in coefficient of friction readings.

KNIT/WOVEN:

POMOSOFT 413 – Cationic multi fiber softener which maintains a high degree of white retention.

POMOSOFT DJ 8 – Cationic multi fiber softener which displays a high degree of electrolyte stability.

POMOSOFT 540 – Cationic softener which gives acrylic fiber a kittens’ ear hand.

POMOSOFT CAP – Nonionic softener especially for p.f.p. goods which maintains excellent white retention.

POMOSOFT 3 W – Fatty amide emulsion that provides excellent hand and a high degree of white retention on all fiber types and blends.

POMOSOFT QAS – Fatty amide with a small amount of silicone designed to give open end spun hosiery the feel of ring spun goods.

POMOLUBE AKM – Softener and lubricant for piece goods that are going to be garment dyed. Gives an even dyeing appearance and excellent cut and sew properties.

POMOSOFT DSQ 15 – Extremely white cationic softener for the processing of bleached optical whites.

POMOSOFT DKF – Nonionic super slick softener for the pad application of polyester and poly-blends.

POMOSOFT LCCS – A highly concentrated liquid cationic softener for use on all fibers.

TOWEL/TERRY:

POMOLUBE 72 R – Slightly cationic softener which provides a soft, slick hand with excellent absorbency and rewetting.

POMOLUBE 92 R – Economical towel softener that provides good softening, rewetting and white retention.

FLEECE/NAP:

POMOSOFT AC 101 – Blended finish for superior nap pile, soft hand and high white retention.

POMOLUBE NSP – Softener/Lubricant blend to assist in the napping or sueding of polyester, acetate and nylon.

POMOLUBE NJ 5 – Excellent napping assistant for all fiber types that does not promote the migration of disperse dyes. Excellent crock fastness ratings along with superior cut and sew properties.

POMOLUBE MN 5 – Complex nonionic blend for the napping and softening of all types of fiber blends.

SPECIALTY FINISHES:

POMOGUARD SERIES – Complete line of fluorochemicals for water, oil and stain repellency with performance which meets and exceeds industry standards.

SYNTHASIL SERIES – Emulsified silicones (amino, epoxy, hydroxy) and elastomeric) for knit, woven, fleece and print application.

SYNTHASET SERIES – One piece combinations of penetrant, resin, catalyst and softener tailored for specific dimensional control requirements.

POMOCO SR 92 & POMOCO SRA 30 – Soil release agents for polyester and poly blends which can also be used as a fluorochemical extender.

FLAME RETARDANT PFR – Durable flame retardant for the treatment of 100% polyester fabrics.

POMOSTAT DK 18 – Cationic antistat for polyester, nylon and blended synthetic fabrics.

POMOCRYL SERIES – Specially formulated acrylics for a myriad of performance requirements including: stiffness, hysteresis and abrasion resistance.

POMOCO DVOR – Burnout print paste for cellulose/polyester goods.

POMOCO B3410C – A high performance, single component chemical system formulated to impart excellent hydrophilicity and durable soil release to nylon fibers.

MACHINERY MAINTENANCE:

NEEDLE OIL SERIES – Self-emulsifying lubricants, for knitting machines, of various viscosities and antifouling characteristics.

CLEANER NPR – Agent for removal of pigment dyes and silicone residue from dye machinery, mix tubs and pad rolls.

POMOSCOUR J 38 – Detergent for boiling out dye machinery in conjunction with hydro and caustic.
MACHINERY MAINTENANCE continued:

POMOCO MC – Cleaner for dye machinery exteriors which removes resin, dye and oxidized metal.

WINDER CLEANER 6900 – Non-red label solvent based cleaner for emulsion winders which is gentler to the skin than varsol.

GARMENT PROCESSING

SYNTHAZYMIE LCE 5X – Highly concentrated laccase enzyme.

SYNTHAZYMIE NEX – Highly concentrated neutral cellulose enzyme.

SYNTHAZYMIE SGL 2X – Highly concentrated acid cellulose enzyme.

POMOLUBE BOS – Lubricant that eliminates grease streaks in denim garments.

SYNTHALUBE 2176 – Highly concentrated polyacrylamide lubricant.

POMOSPERSE AL 36 – Dispersant that eliminates sulfur spots.

POMOCO DSYZ – Desize, wetter, and lubricant combination product for denim garments.

PENETRANT AME – Wetter, penetrant for all garment processing.

POMOCO 139 – Powdered alkali scour for denim processing, 100% active.

POMOCO 5962 – Polyester dispersant, anti-redep for denim processing.

POMOCO CL 35 – Anti-redep product for cellulose.

POMOCO BLOCKER IGO – Combination anti-redep product for polyester and cellulose.

POMOSOF 3 W CONC – Concentrated cationic softener.

POMOSOF LCCS – 100% active economical liquid cationic softener.

POMOSOF 5 LN – Highly active exhaustible anti-ozonate softener.

SYNTHASIL SW 1820 – Silicone softener for fluorochemical treated garments.

BUFFER MSP 3 – Added to mixture when a slightly acid to neutral pH is required.
Chemical Capabilities

ACRYLATION
ALKYLATION
AMIDATION
BENZYLATION
CARBAMATION
CARBOXYLATION
ESTERIFICATION
ETHOXYLATION
METHYLOLATION
OXIDATION
PHOSPHATION
PHOSPHONATION
POLYMERIZATION
PROPOXYLATION
QUATERNIZATION
SAPONIFICATION
SULFATION
SULFONATION
TRANSAMINATION
TRANESTERIFICATION