



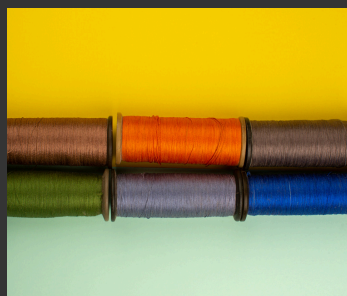
**MCPL**

Modern Chemistry Private Limited

## MODERN CHEMISTRY PRIVATE LIMITED

Sustainable Chemistry, Reliable Results

Welcome To Our Company.



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# Welcome Message

We take pride in being a leader in textile chemicals and auxiliaries. Guided by innovation and sustainability, we craft solutions that enhance the quality of fabric while mitigating the environmental impact.

Our expertise covers pretreatment, dyeing, finishing, and much more, with customized products achieving consistent results. Notably, we stand out from others through our commitment to quality, reliability, and client satisfaction.

Driven by a passion for excellence, Modern Chemistry Pvt Ltd is committed to value creation for clients around the world. Trust us to innovate with you, for a brighter, greener tomorrow in the textile industry.



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# Company History



**Echo Chem** is a Brand of MCPL. Over the years, we have diversified into a wide spectrum of applications such as surfactants, agrochemicals, and sustainable textile processing, building a solid reputation in terms of quality, trust, and customer intimacy.

Our growth chains are the front-line research and development, green practices, and Undying pursuit of excellent performances by products and projects. Today, Eco chem India has defined a new paradigm towards reliability by offering innovative, performance, and sustainable solutions towards a future defined more brilliantly.



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# Vision & Mission

## Our Vision

To build import and export global leadership in supplying textile chemicals while delivering sustainable, innovative, and high-performance solutions beyond the desire of customers, as well as caring for the environment.

## Our Mission

Offering environment-friendly and tailor-made products developed through cutting-edge research, great customer service, and a commitment to quality to guarantee success for customers as well as industry innovation.



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# What We Value

## Loyalty

At Modern Chemistry Pvt Ltd, the base for loyalty becomes trust, consistency, and mutual respect. We build long-term relationships with clients, providing solutions that are dependable and high-quality and that keep pace with their changing needs. This culture extends to our employees, where we have created an ambiance of growing, supporting, and respecting employees, thereby ensuring a strong, united team. Fidelity is the basis of success.

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## Honesty

Modern Chemistry Pvt Ltd, honesty is of paramount importance in all its dealings. Communication is complete. Promises are kept. Everything ethical is in our business. Honesty is the best practice that earns trust from clients, partners, and employees, creating genuine long-lasting bonds that stand the test of time.

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## Trust

trust is what we base our success on. We earn it by providing high-quality, trustworthy solutions and transparent, ethical practices. Our dedication to customer satisfaction and long-term partnership ensures that our clients, employees, and partners can turn to us with their needs for excellence, integrity, and mutual growth.

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Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 1452 (Wetting & Scouring Agent)	Eco Friendly low foam high performance detergent cum wetter	Synergistic blends of alcoxylates	Non-ionic	Off White to white paste	Highly efficient wetting and scouring aid suitable for high rapid jet /soft flow machines Package dyeing machines etc. Sustained low foam profile throughout the process cycle i.e. heating, holding ,cooling Eliminates need of defoamer and detractors.
Eco Care 5481 ( Conc. Wetting, Scouring and Emulsifying Agent)	All Purpose high alkali stable APEO / NPEO free detergent with High wettability for cotton and synthetics S	Speciality alcoxylates	Non-ionic	Colourless to pale yellow clear Liquid	High Powered scouring Agent with good wetting & detergency action for better whites. Improves wettability and penetration of processing liquors during preparation. Highly effective at low dosages. Very high soil suspending power
Eco Care 1734 ( Peroxide Stabilizer)	Organic stabiliser designed for controlled release of oxygen from hydrogen peroxide during continuous & Batch bleaching operations	Complex blends of polycarboxylic acid derivatives	An-ionic	Pale yellow clear liquid	Controls the rate of release of proxy ions during bleaching for continuous & batch operations. Eliminates CA++ and Mg++ powdery precipitates or lime soap deposits on substrate. Effectively controls metal hydroxide and metal impurities in bleach path.
Eco Care 1353 ( Stain Remover)	Surfactant & non-chlorinated solve	Synergistic blend of speciality surfactants	Non-Ionic	Colourless to light pale yellow clear liquid	Eco care 1353 is an Excellent scouring agent for Polyester & their blends. Effectively removes stubborn greasy, oily & carbon stains. Renders the fabric cleaner & whiter.



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Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 4815 (pH buffer & Core Alkali Neutralizer)	Economical eco-friendly and effective core alkali neutraliser	Judicious blend of organic compounds	Non-ionic	Colourless clear liquid	Efficiently neutralise the residual core alkali after the scour bleach operation for producing whiter whites.
Eco Care 2599 ( Lubricant)	State-of-art high powered lubricant for preventing crease/rope marks and pilling	Blends of fatty Acids & Hydrolysed polymer	An-ionic	Colourless viscous pourable Liquid	Reduces fibre to fibre & Fibre to metal friction during all stages of textile wet processing thereby: Protects fabric surface prevents running creases wrinkling and chafe marks resist spill formation during processing. Stable for all textile substrates in rope form or in garments form Stable to high electrolytes and wide range of pH
Eco Care 4725 ( ACA)	High Performance anti creasing agent for knits	Based on phosphate esters	An-ionic	Light brown clear liquid	Reduces fibre to fibre and fibre to metal friction during all stages of textile wet processing thereby: Protects fabric surface and helps removal of oils. Prevents running creases wrinkling and chafe marks resists pill formation during processing Excellent oil emulsifying property. Control the weight loss during processing of cotton terry towels and knits.
Eco Care 1972 (Chelating, Levelling and Dye bath Conditioner)	Multipurpose concentrated bath conditioner	Oregano modified salts	An-ionic	Colourless to pale yellow liquid	High Powered product, deactivate for heavy metal ions apart from Ca <sup>++</sup> , Mg <sup>++</sup> , and other impurities. Non-foaming and avoids salt deposition on substrate and machines. Avoid scaling up on machines.



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Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 4567 (Reduction Clearing)	Effectively removal of loose disperse dyes from the substrates	Sulphinilic acid derivatre	Ani-ionic	Colourless to hazy pourable liquid	Eco Care 4567is high Performance clearing agent polyester and its blends
Eco Care 5192 (Fixer)	Highly effective formaldehyde Free dye fixative for reactive + Direct dyes	Polyamine derivative	Cationic	Colourless to faint yellow clear liquid	Improves washing fastness properties of dyeing and prints. Does not impair light fastness properties of the dyeing/ prints. Improve sea water and perspiration fastness as well Does not alter the tone of dyeing
Eco Care 9504 (Concentrate Cationic Softener)	Cationic Softener with High Softness Value	Fatty Acid Derivatives	Cationic	Off white Flakes & Off White thick Paste	Eco care 9504 is a cationic concentrated hydrophilic softener for knits and terry towels
Eco Care 7935 (Catasil)	Combination of fatty acid derivatives and micro silicone emulsion based softeners	Blend of fatty acid and poly siloxanes	Cationic	White to off white viscous liquid	Eco Care 7935 is a unique combination of fatty acid and micro silicone emulsion to impart excellent and surface feel as well as inner softness
Eco Care 7027 (Shear Stable Silicone for Cotton & PC)	Silicone emulsion	Specially designed silicone oils	Cationic	Transparent to slightly yellowish coloured liquid	Eco Care 7027 is a micro amino silicone for achieving extra ordinary inners softness all type of fabrics



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Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 4250 (Sequestering)	Multipurpose concentrated sequestering agent	Organo modified phosphonic acids	Ani-ionic	Colourless to pale yellow liquid	High powered sequestering agent for heavy metal ions and other impurities Non- Foaming and avoids salt deposition on substrate and machine avoids scaling up on machines. Does not chelate metal ions of dyes.
Eco Care 5164 (Cotton Levelling)	High Performance levelling agent for Reactive Dyes with buffering & sequestering action	Proprietary blend of Polymer	An-ionic	Brown Liquid	Effective levelling agent for all types of reactive dyes vats and Sulphur promotes level dyeing besides even tone build-up of shade even in tertiary combinations. Non foaming and eco-friendly.
Eco Care 3256 ( Polyester Levelling)	Disperse dye Dispersant and leveller for uniform dyeing of polyester	Synergistic blend of surfactants	Non-ionic	Colourless to faint yellow clear liquid	Pronounced migration of disperse dyes to get level dyeing. An excellent dispersing power. Control exhaustion rate and ensure level dyeing smooth in rapid dyeing machines . Very effective in sensitive colours and fabrics that are difficult to dye.
Eco Care 2244 (DAN or Dispersing agent)	High temperature stable non-staining dispersant with oligomer dispersing power	Modified condensation product	Ani-ionic	Brown coloured liquid	Enhanced rate and enhanced migration of disperse dyes to get level dyeing. Controls exhaustion rate and ensure level dyeing machine. Does not stain polyester and stable to high temperature Very effective in sensitive colours and fabric that ends to dye unevenly No retarding action on dyes & low foam profile.
Eco Care 2365 ( Soaping)	Foam Free, Eco-friendly washing-off agent	Acrylic Co-Polymer	Ani-ionic	Pale yellow Liquid	Improves wet Fastness properties like wash & rubbing of dyed & printed goods on washing-off. Easily miscible in water in all proportion and good washing –off in cold condition also.



Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 9345 (Elastomeric Silicone)	A novel finish designed to provide durable, softy, silky and full handle	Poly alkylene oxide modified silicone	Non-ionic	Clear straw yellow liquid	High level of softness for all types of fabrics. Finishes highly durable to washing and dry cleaning. Exhibits luxurious unique handle coupled with elasticity. Suitable also for wrinkle free finishes. Suitable by pad as well as exhaust techniques.
Eco Care 5035 (Shear Stable Silicone for 100% Polyester and other synthetics)	High Performance Non yellowing Nano emulsion for durable feel	Organo modified polysiloxane	Non-ionic	Clear viscous liquid	Soft luxurious handle on all kinds of fibres. Improves sewability, crease recovery and tensile strength. Improves stretch and recovery on knits. Does not promote thermo migration. Exhibits Oily feel on polyester.
Eco Care 9781 (Silicone for Nylon, Wool & Viscose. )	Newly Developed silicone emulsion for bouncy elastic handle and silken feel	Modified Elastomeric silicone	Non-ionic	Colourless to pale yellow clear emulsion	Unique silken feel coupled with inner softness and wrinkle recovery. Imparts luxurious bouncy and elastic handle. Durable to washing and dry cleaning .
Eco Care 8775 (Hydrophilic Silicone for Towels)	Micro polyurethane based Softener	Blend of Latest generation Silicone oils	Non-ionic	Colourless to little white toned free flow liquid	Eco-chem revolutionized the textile industry by enhancing hydrophilic handle properties, process stability in continuous finishing, and resistance to alkalis and temperature.
Eco Care 6213 (Amino Silicone)	Functional amido polysiloxanes	High Amines Content Silicone oils	Non-ionic	Colourless liquid	Eco care 6213 is a stable micro emulsion of an specially engineered diamino silicone polymer & speciality surfactants designed to maximize the soft silky & full handle with improved durability



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Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Care 7024 ( Hydrophilic Softener)	Amphoteric non yellowing softener for a soft and fuller handle	Fatty acid derivative	Amphoteric	White paste	Imparts a very soft handle with fullness suitable for cellulose and synthetics imparts non yellowing and hydrophilic character to cotton and cotton rich blends. Suitable for knits and terry towels. Can be applied by pad as well exhaust.
Eco Care 7428 ( Wicking)	Durable, Antistatic cum soil release for comfort finish on PES	Hydrophilic Co-Polymer	Non-ionic	Off white Pourable emulsion	Imparts comfort finish on PES. Minimises Build-up of static charge. Reduces soil redistribution and enhance stain release properties. Effective dye bath additive to reduce creasing. May Promotes thermo migration if used beyond optimum dosage.
Eco Ultra soft (Silicone)	Modified amino Silicone For silky smooth feel	Modified amino silicone	Weakly cationic	Transparent viscous liquid	Silky soft surface feel for woollen garments, denims, and synthetic blended garments
Geo Sil 2088 (Silicone)	Modern Blocked chain Silicone oils	Block Silicone	Non-ionic	Transparent Liquid	Robust silicone emulsion for cotton lycra and other blends of lycra it is highly stable it can also survive in higher temperature and alkaline pH
Geo Sil 4433 SPL (Silicone)	Dynamic combination of block silicone oils	Block silicone	Non-ionic	Transparent Liquid	Dynamic combination of Block silicone oils for excellent surface feel on Cotton Lycra and PC Lycra. It also gives a good body and prevents the fabric from being limpy.
Geo Sil 2211 (Silicone)	Economical combination of block silicone oils	Block silicone	Non-ionic	Transparent Liquid	Economical combination of Block silicone oils for excellent surface feel on Cotton Lycra and PC Lycra. It also gives a good body and prevents the fabric from being limpy.
Geo CS 2026 (Softner)	Cationic Softner	Fatty acid	Cationic	White Thick Paste	An Economical cationic softener for surface feel on cotton pc and other blended fabrics
Geo Fix Super Conc. (Fixer)	New age dye fixer	N-heterocyclic polymer and non-ionic surfactants	Cationic	Dark Yellow or mustard colour viscous liquid	Highly efficient dye fixing agent for cotton and its blends it significantly improve washing fastness and rubbing fastness of the substrate



Product	Description	Constitution	Ionic Nature	Appearance	Attributes
Eco Level MK (Dispersing cum Levelling agent)	Disperse dye Dispersant and leveller for uniform dyeing of polyster	Synergistic blend of surfactants	Non-ionic	Dark Brown Liquid	Pronounced migration of disperse dyes to get level dyeing. An excellent dispersing power. Control exhaustion rate and ensure level dyeing smooth in rapid dyeing machines . Very effective in sensitive colours and fabrics that are difficult to dye

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