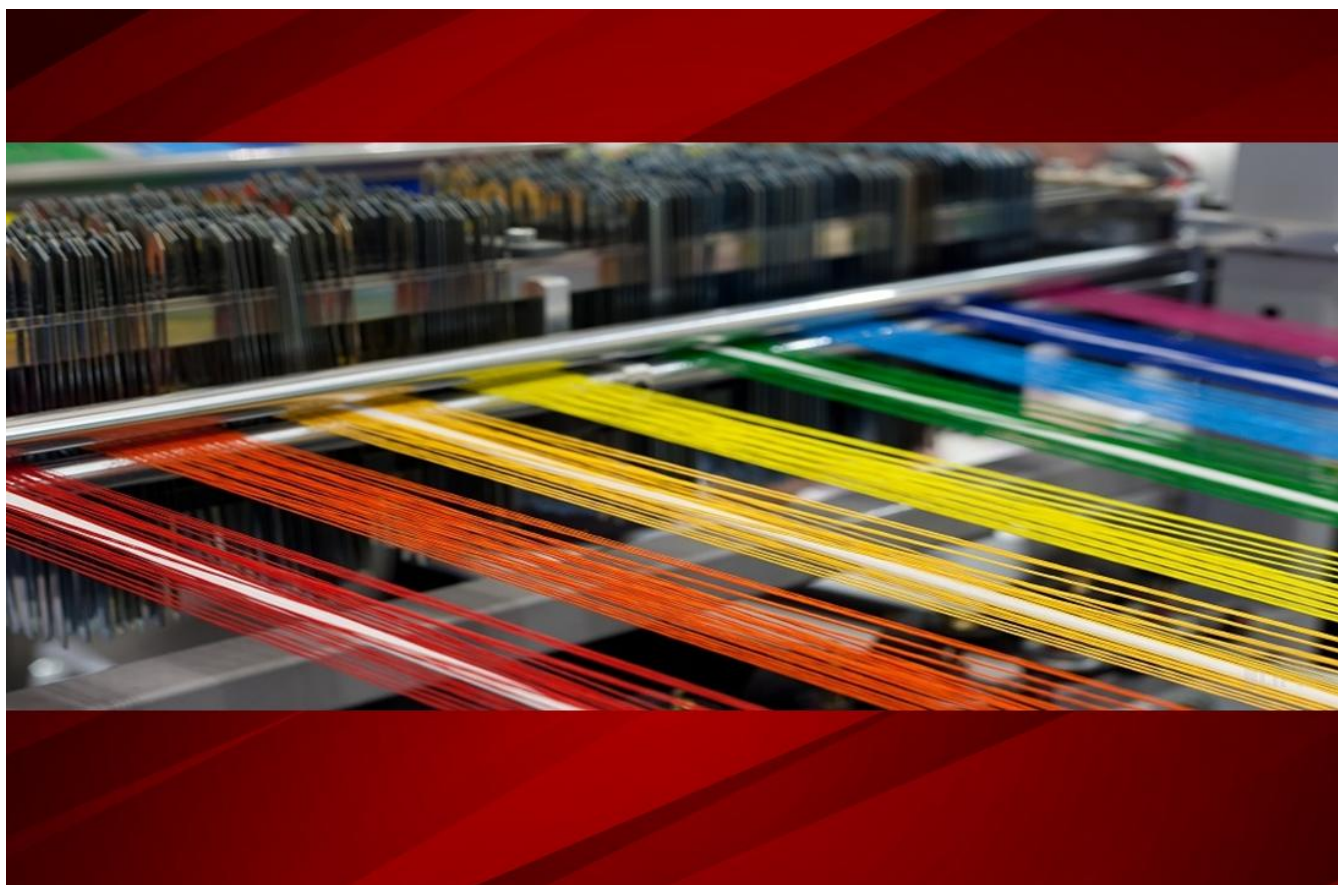




Formosa Organic Chemical Industry Co., Ltd.

TEXTILE PRODUCT LIST



Formosa Organic Chemical Industry Co.,Ltd.

575 Bang Pu Industrial Estate (Soi11),
Sukhumwit Road, TambolPhraek Sa,
Amphoe Mueang, SamutPrakan, 10280
Thailand
Email: info@formosachem.com



Chemical for Spinning Process (Spinning Oil)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formo-Oil SYL* Formo-Oil SYM** Formo-Oil SYH***	Liquid	Nonionic	Emulsified oil	Excellent lubricating and anti-static spinning oil without yellowing yarn suitable for coning and twisting.

Chemical for Weaving Process (Compound Sizing Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formosize MSL* Formosize MSM** Formosize MSH*** ****	Powder	-	Modified Starch	Excellent penetrating sizing agent with not brittle and cohesive film enhancing the strength of yarns in a way unlike those of traditional sizing agents thus suitable for high speed weaving fine yarn.
Formosize OSL* Formosize OSM** Formosize OSH*** ****	Powder	-	Oxidized Starch	Warp sizing agent for spun yarns with strong flexible & cohesive film designed particularly for spun yarn sizing.
Formosize CSC/CSP/CCP ****	Powder	-	One-Shot compound	Excellent penetrating sizing agent with not brittle and cohesive film enhancing the strength of yarns in a way unlike those of traditional sizing agents thus suitable for high speed weaving fine yarn.
Formosize ACS	Liquid	Anionic	Solution of acrylic ester copolymers	Acrylic copolymer sizing agent for use in air-jet loom sizing suitable for spun yarns.
Formolubricant LBS	Flake	Nonionic	Wax for spun sizing	Specially designed, double-function paraffin and silicone-free lubricating agent used as sizing lubricant during sizing as well as used as after sizing lubricant.
Formo-PVA-FMS-L/M/H ****	Granule	-	Wax for spun sizing	Specially warp sizing for textile and used in water-based adhesives, including pastes and glues. One of the uses for emulsified polyvinyl acetate is in bookbinding. Depending upon the necessary lifetime of the book, the polyvinyl acetate chosen will either be co-polymeric or homo-polymeric.

*L = Low viscosity, **M = Medium Viscosity, ***H = High Viscosity

****Percentage depending on construction of fabric, count of yarn to be woven and condition in the sizing and condition in the sizing department and weaving mill.

Chemical for Weaving Process (Acrylic Sizing Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formosize ACF	Liquid	Anionic	Solution of acrylic ester copolymers	Acrylic copolymer sizing agent for use in water-jet loom sizing suitable for polyester yarns and nylon yarns.
Formolubricant SES	Liquid	Nonionic	Silicone emulsion	Special warp sizing lubricant suitable for synthetic and chemical filament yarns to be applied together with Formosize ACS.
Formolubricant WES	Liquid	Nonionic	Wax emulsion	Wax emulsion lubricant for water-jet sizing application to be added to the sizing solution to impart more lubrication to the size film for excellent weaving efficiency.

Chemical for Pretreatment Process (Desizing, Scouring & Wetting Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formozyme AML	Liquid	-	Alpha-amylase enzyme	Eco-friendly liquid alpha amylase enzyme preparation specially developed for textile desizing process.
Formoclean NOF-Ordinary/CONC	Liquid	Nonionic	APEO free low foaming scouring agent	Biodegradable and APEO free low foaming wetting and scouring agent universally applicable for all kinds of fibers.
Formozyme BIO	Liquid	-	Pectate lyase + cellulase enzyme	special formulation putting pectate lyase and cellulase enzymes together with surface active agent aiming to get rid of non-cellulosic impurities from cotton fibers and increase cotton absorbency and wetting ability.
Formoclean ORM	Liquid	Nonionic	APEO free low foaming scouring agent	Biodegradable and APEO free low foaming wetting and scouring agent suitable for removing oil and wax.

Chemical for Pretreatment Process (Sequestering, Stabilizing Agent & Hydrogen Peroxide Killer)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formoquest TNL	Liquid	Anionic	Sequestering agent	Excellent sequestering agent with good sequestering power for alkaline earths and heavy metal ions and also acting as protective colloid in dyeing cellulosic fibers.
Formostab HPB	Liquid	Anionic	Stabilizing agent	Excellent stabilizing agent for peroxide bleaching.
Formozyme CTL	Liquid	-	Aqueous preparation of catalase enzyme	Biodegradable brown liquid catalase enzyme preparation manufactured by natural fermentation process and designed for the purpose of decomposition of hydrogen peroxide leftover after bleaching.

Chemical for Pretreatment Process (Anti-Creasing Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formofluid FSL	Liquid	Anionic	Fatty acid	Softening and crease-prevention for cellulose fiber, wool, polyamide, polyester and blends of these fibers for use in pretreatment, dyeing and after-treatment.

Chemical for Dyeing Process (Levelling & Dispersing Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formolev CFD	Emulsion	Anionic	Leveling agent for reactive dyeing	Excellent non-foaming dispersing and leveling agent characterized by its outstanding synergy of dispersing, leveling, de-aerating, wetting, buffering, crease-preventing, penetrating and sequestering properties.

Chemical for Dyeing Process (After-treatment)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formosoap RDP	Liquid	Anionic	Carboxylic acid-based polymer	Excellent after-treatment agents for washing off unfixed dyes after reactive dyeing and printing with anti-back staining property.
Formofix FCL	Liquid	Cationic	Cationic copolymer	Formaldehyde free fixing agent for improvement of fastness to washing and rubbing of printing and dyeing by reactive dyes on cellulosic fiber and its blend.
Formozyme CLL	Liquid	-	Acid Cellulase	It is a specially developed for fabric and garment bio polishing. It improve the hand feeling and appearance of fabric permanently reduces the tendency of pilling.

Special Product

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formoclean DMC	Liquid	Cationic	Solution of surface active agents	Highly effective cleaning agent for heavily soiled dyeing machine.
Formorub RTB	Liquid	Cationic	Modified polyurethane	Highly effective rubbing fastness improver for improvement of dry and wet rubbing fastness of dyed and printed fabric.
Formoagt OBA	Liquid	-	Brightening agent	Fluorescent whitening agent for cellulose, polyamide, wool and silk fiber.
Formosoft DRC-O/C	Liquid	Cationic	Poly urethane base	Durable Softening agent.
Formosoft DRN-O/C	Liquid	Nonionic	Poly urethane base	Durable Softening agent.

Chemical for Denim

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formozyme AML	Liquid	-	Alpha-amylase enzyme	Eco-friendly liquid alpha amylase enzyme preparation specially developed for textile desizing process.
Formoclean NOF	Liquid	Nonionic	APEO free low foaming scouring agent	Biodegradable and APEO free low foaming wetting and scouring agent universally applicable for all kinds of fibers.
Formoclean NOF-CONC	Liquid	Nonionic	APEO free low foaming scouring agent	Biodegradable and APEO free low foaming wetting and scouring agent universally applicable for all kinds of fibers.
Formosoft SCD	Liquid	Weakly Cationic	Amino silicone based emulsion	Amino silicone type softener imparting excellent softness with pleasant hand feeling when applied to cotton, polyester, rayon or their blends.
Formosoft CTC	Flake	Cationic	Cationic softener of fatty acid amide	Excellent softening agent suitable for use to both natural and synthetic fibers and fabrics.
Formoblock ABS	Viscous Liquid	Nonionic	Modified polyester	Anti-back staining agent made for the prevention of indigo back staining on white portion of denim garment.

Chemical for Pigment Printing Process

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formobinder NAP-8640	Liquid	Weakly Anionic	Acrylic Copolymer Emulsion	Binder for pigment printing either with white spirit content or solvent free.
Formobinder NAP-40S	Liquid	Weakly Anionic	Acrylic Copolymer Emulsion	Binder for pigment printing either with white spirit content or solvent free.
Formobinder NAP-25S	Liquid	Weakly Anionic	Acrylic Copolymer Emulsion	Binder for pigment printing either with white spirit content or solvent free.
Formobinder EHP	Liquid	Cationic	Acrylic Copolymer Emulsion	Binder for pigment exhaustion dyeing.
Formothickener PTF	Liquid	Anionic	Poly acrylamide copolymer	Synthetic thickener for pigment printing paste system.
Formoemul FPP	Viscous Liquid	Nonionic	Polyethylene Glycol Fatty acid Ester	Emulsifier for pigment printing.
Formosoft PMS	Emulsion	Nonionic	Fatty acid ester non-ionic surfactant	Softening agent for pigment printing imparting soft handle with no affect to fastness and brightness and color yield.
Formofix PFF	Liquid	Nonionic	Aqueous dispersion of polyurethane	Formaldehyde-free cross-linking agent for pigment printing to be added to pigment printing pastes to improve wash fastness as well as wet rubbing fastness of pigment prints.

Chemical for Pigment Printing Process

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formopaste WRB-CONC	Liquid	Weakly Anionic	Modified Acrylic Binder	White rubber paste is self cross linking modified acrylic binder. It processes the merits of high elasticity, supper fastness, soft hand feel suitable for common cotton and knitting strong washing fastness.
Formopaste HBG-CONC	Liquid	Weakly Anionic	Modified Acrylic Binder	Is self cross linking modified acrylic binder. It processes the merits of high elasticity, supper fastness, soft hand feel, strong coverage, good gloss, suitable for knitting, cotton and T/C cotton cloth etc. textile printing.
Formopaste CPP	Liquid	Weakly Anionic	Modified Acrylic Binder	Clear pigment paste is self cross linking modified acrylic binder. It processes the merits of high elasticity, supper fastness, soft hand feel, strong coverage, good gloss, suitable for knitting, cotton and T/C cotton cloth etc. textile printing.
Formopaste SCP	Liquid	Weakly Anionic	Modified Acrylic Binder	Soft clear paste is self cross linking modified acrylic binder. It processes the merits of high elasticity, supper fastness, soft hand feel suitable for common cotton and knitting strong washing fastness.

Chemical for Finishing Process (Softening Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formosoft CTC	Flake	Cationic	Cationic softener of fatty acid amide	Excellent softening agent suitable to be applied to both natural and synthetic fibers.
Formosoft NNC	Flake	Nonionic	High concentrated nonionic softener	Nonionic type softener and lubricant for cotton and synthetic fibers.

Chemical for Finishing Process (Silicone Softener)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formosoft SCD	Liquid	Weakly Cationic	Amino silicone based emulsion	Silicone softener with excellent softness and pleasant hand feel suitable for cotton polyester, rayon or their blends.
Formosoft SCM	Liquid	Weak Cationic	Amino silicone based emulsion	Is a macro silicone emulsion suitable for imparting softness and elastomeric effect to all fiber.
Formosoft RSE	Liquid	Weak Cationic	Elastomer silicone based	Is an elastomeric amino silicone micro emulsion to be used in the process of finishing. It gives the treated fabric a soft, springy hand feel but of a dry, breathable touch which allows maximum comfort.
Formosoft HSC	Liquid	Weak Cationic	Amino silicone based emulsion	is an AEEA-free cationic softener used to impart soft and full handle to treated cotton fabric with low yellowing effect and hydrophilic.
Formosol SWE-50	Liquid	-	Silicone emulsion	Sewing thread lubricant. It possess excellent lubricancy and anti-static properties suitable for conning, twisting, and knitting of both synthetic fiber and rayon.

Chemical for Finishing Process (Wax Emulsion)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formowax EMS	Liquid	Nonionic	Polyethylene wax emulsion	Polyethylene emulsion softener for various kinds of fibers and fabric.
Formolube YNN	Emulsion	Cationic	Paraffin wax	Biodegradable paraffin wet waxing agent for use on knitting, weaving and embroidery yarns to impart smoothness to yarns and lower fiber to fiber and fiber to metal frictional resistance.

Chemical for Water Treatment (Flocculant Agent)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formo FCC	Viscous liquid	Cationic	Polyacrylamide	Flocculating agent for use in the treatment of waste water to cause precipitation of waste water.
Formo FCA	Viscous liquid	Anionic	Sodium polyacrylate	Flocculating agent for use in the treatment of waste water to cause precipitation of waste water.

Chemical for Other (Cleaning Product)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formol IMC	Liquid	-	Acid and surfactant blended	Surface cleaning agent for stainless steel.
Formorol HHC (60,50,24)	Liquid	Anionic	Alkylbenzene sulfonic acid sodium salt	Base for dishwashing, floor cleaning laundry and industrial heavy duty detergent.
Formocleaner CNR	Liquid	Anionic	Alkylbenzene sulfonic acid sodium salt	Is a specially formulated detergent for the fast cleaning of sizing reeds, weaving reeds, heels and other metal parts during maintenance and periodical cleanup. The cleaner dissolves the wax resins, oil matters, sizing residues, or even rusts accumulated after long hours of operation.

Chemical for Other (Foam Suppressor & Defoamer)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formodefoam ASB	Liquid	-	Silicone anti-foaming agent	Excellent cost effective foam controlling silicone emulsion universally suitable for various water-based processes.
Formodefoam MNO	Liquid	-	Oil-based anti-foaming agent	Excellent oil-based anti-foaming agent designed for various oil- based processes.

Chemical for Other (Latex industrial)

PRODUCT NAME	FORM	IONICITY	COMPOSITION	FEATURES&DIRECTION FOR USE
Formoagt SFB	Liquid	-	Silicone anti-foaming agent	Excellent cost effective foam controlling silicone emulsion universally suitable for various water-based processes.