

# BEN TECH CHEMICAL





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## COMPANY

# PROFILE

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Our group companies were first founded in Taiwan in 1974 where we have expanded our roots to Thailand to serve the domestic market and to export to leading textile regions globally. We have started as the manufacturer of textile chemicals including warp sizing, dyeing auxiliaries, and dyestuff. Throughout these years of development, we have increased our product range from textile chemicals to other chemicals of various industries.

## VISION

We, BEN TECH CHEMICAL CO., LTD. aim to become a global leader in textile chemical industry with the best quality products, outstanding service, and highest safety.

Our goal is to grow into a symbol of trust to our customers, suppliers, and employees.

## MISSION

To produce world class textile chemicals in the most efficient and environmental friendly way which satisfies our customers and empowers our suppliers and employees.

Actual image of Petchaburi plant



## HISTORY & MILESTONE



### YEAR 1974:

Establishment of our mother group company in Taiwan specialize in textile chemicals.

### YEAR 1989:

Establishment of our Thailand company for domestic market and South East Asia region including China, Cambodia, Indonesia, Laos, Malaysia, and Myanmar.



### YEAR 1992:

Establishment of our Petchburi plant in Thailand including the production of textile warp sizing chemicals, textile dyeing auxiliaries, and dyestuffs.

### YEAR 2000:

Establishment of our yarn-dyed factory, currently it's serving as one of the leading commercial yarn-dyed mill Thailand.



### YEAR 2009

Establishment of BEN TECH CHEMICAL for export purpose mainly for Bangladesh, Vietnam, and South East Asian market.

**YEAR 2012:**

Establishment of our Chonburi plant in Thailand including the production of textile warp sizing chemicals.



**YEAR 2013**

Establishment of our Vietnam company in Ho Chi Minh, mainly serving for domestic market.

**YEAR 2016:**

Establishment of our Ho Chi Minh plant in Vietnam including the production of textile warp sizing chemicals, textile dyeing auxiliaries, and dyestuff.



**YEAR 2018:**

Establishment of our Chonburi plant 2 in Thailand including the production of textile warp sizing chemicals, textile dyeing auxiliaries, and dyestuff.

**YEAR 2020:**

Establishment of personal care product and facilities at Chonburi plant 2.





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# PRODUCT

## 1. WARP SIZING

Our vast range of textile sizing chemicals will help you optimise your production by combining high-quality ingredients with to ease of use in the manufacturing process. Whether seeking ways to improve quality, cut costs, or reduce environmental impact; we always focus on manufacturing processes as a whole.



- PVA
- Starch
- Modified starch
- Nano modified starch
- CMS
- Acrylic size
- Compound size
- Sizing wax
- After wax
- After oil
- Water-jet size
- Filament size
- Anti-static agent

# PRODUCT

## 1. WARP SIZING

Category	Product Name	Form	Description
PVA	BENSIZ PVA	G	Water soluble and biodegradable sythetic polymer, with strong bonding strength, film forming and emulsifying properties. Fully hydrolysed.
	BENSIZ PVA P-17A	G	Water soluble and biodegradable sythetic polymer, with strong bonding strength, film forming and emulsifying properties. Partially hydrolysed.
Starch	TAPIOCA STARCH	P	Sizing starch derived from tapioca root. Used with PVA.
	BENSIZ B-55	P	Chemically modified starch from Tapioca for warp sizing, low viscosity, can replace partial PVA.
	BENSIZ B-120	P	Chemically modified starch from Tapioca for warp sizing, medium viscosity, can replace partial PVA.
	BENSIZ H-88	P	Chemically modified starch from Tapioca for warp sizing, suitable for denim and low count yarn (ex: cotton 16/1, 20/1), good hair covering effects. Can replace all PVA and acrylic size and decrease wax dosage 20% less.
Modified Starch	BENSIZ K-2000	P	Eco-friendly modified starch which can be decomposited biologically and easily. Provide excellent sizing film with tenacity, abrasion resistance, and good adhesive strength. Can replace all acrylic size and reduce PVA dosage.
	BENSIZ B-99	G	Carboxymethyl Starch for warp sizing, easy to de-size, can repalce all acrylic size and reduce the dosage of PVA 20 ~ 30 %.
CMS	BENSIZ B-99	G	Carboxymethyl Starch for warp sizing, easy to de-size, can repalce all acrylic size and reduce the dosage of PVA 20 ~ 30 %.
CMC	BENSIZ CMC	G	Carboxymethyl cellulose for warp sizing, easy to de-size, can repalce all acrylic size and reduce the dosage of PVA 20 ~ 30 %.
	BENSIZ KU-350	L	Liquid form co-polymer of acrylates, easily removable and homogeneous solution with high adhesive strength.
Acrylic Size	BENSIZ KU-400	L	Liquid form co-polymer of acrylates, easily removable and homogeneous solution with high adhesive strength, higher solid content.

G = Granule, P = Powder, F = Flake, L= Liquid



## WARP SIZING

Category	Product Name	Form	Description
Acrylic Size	BENSIZ E-650	P	Powder form co-polymer of acrylates, easily removable, with high adhesive strength.
	BENSIZ E-850	P	Powder form co-polymer of acrylates, easily removable, with high adhesive strength, suitable for low count yarn or denim.
	BENSIZ E-950	P	Powder form co-polymer of acrylates, easily removable, with highest adhesive strength.
Sizing Wax	BENSIZ P-110	F	Flake form sizing wax from vegetable and paraffin wax. Offer smoothness and antistatic properties. Suitable for all kinds of processes.
	BENSIZ P-100	G	Granule form sizing wax from vegetable and paraffin wax. Offer smoothness and antistatic properties. Suitable for all kinds of processes.
	BENSIZ A-82	G	Granule form sizing wax from vegetable and paraffin wax. Offer smoothness and antistatic properties. Economic type.
	BENSIZ M-85	F	Sizing wax made from vegetable oil, with wide adaptability and is suitable for all kinds of processes.
Compound Size (One shot)	BENSIZ AD-K	P	Compound of PVA, modified starch, CMS, softener and wax. Suitable for Denim, for all types of fabric constructions.
	BENSIZ TV-50	P	Compound of PVA, modified starch and acrylic resin. Suitable for rayon and linen, for all types of fabric constructions.
	Bensize CM-series	P	Compound of modified starch, wax, CMS with or without PVA. Suitable for cotton, T/C, CVC yarn. Different grades for different fabric constructions.
	BENSIZ PC-SERIES	P	Compound of PVA, modified starch, acrylic resin and smoothness agent. Suitable for cotton, T/C, CVC yarn. Different grades for different fabric constructions.
	BENSIZ K-SERIES	P	Compound size not containing PVA. suitable for Denim. Has different grades for different fabric constructions.



## WARP SIZING

Category	Product Name	Form	Description
Water-Jet Size	BENSIZ NP-68	L	Compound size for polyester and nylon filament at water jet loom. Prevent nep in warp yarn, good water resistance capacity.
Filament Size	BENSIZ F-25	L	Co-polymer of ester and synthetic polymer, easily removable. Suggest to use with PVA and anti-static agent.
	BENSIZ PET-25	L	Co-polymer of ester and synthetic polymer, easily removable. Suggest to use with anti-static agent, no need PVA.



# PRODUCT

## 2. DYEING AUXILIARIES

We offer great choice of dyeing auxiliaries providing highest performance and process accountability which help improve quality and reduce costs of production.



### 2.1 PRE-TREATMENT

- Enzyme for desizing
- Scouring agent
- Sequestering agent
- Wetting agent
- Mercerizing agent
- Stabilizer for H<sub>2</sub>O<sub>2</sub>
- Killer of H<sub>2</sub>O<sub>2</sub>
- Three-in-one agent

### 2.2 DYEING PROCESS

- Wetting agent for indigo
- Wetting agent for cheese dyeing
- Levelling and dispersing agent
- Levelling agent for cotton, nylon, acrylic
- Anti-crease agent
- Anti-barrier agent for nylon, polyester
- Retarding agent for acrylic yarn
- Anti-yellowing agent for nylon

- Defoamer
- Soaping agent for nylon, cotton, printing
- Fixing agent for reactive, direct, acid dyes
- Sodium alginate for printing
- Reduction cleaning agent

### 2.3 FINISHING PROCESS

- Non-ionic softener
- Cationic softener
- Silicone softener
- Hydrophilic softener
- Raising agent
- PE wax emulsion
- Water-repellent agent
- Cross-linking agent
- Increase deep of shade agent
- Machine cleaning agent

### 2.4 GARMENTS WASH

- Enzyme for desizing
- Anti-back staining agent
- Enzyme for garment wash

### 2.5 WASTE WATER TREATMENT PROCESS

- Decoloring agent
- Polymer (polyelectrolyte)
- Poly Aluminium Chloride

# PRODUCT

## DYEING AUXILIARIES (PRE-TREATMENT)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Enzyme for Desizing	BENZYME C-388	L	N	Alpha amylase	Enzyme for de-sizing within temperature: 30°C ~ 95°C.
	BENZYME C-588	L	N	Alpha amylase	Enzyme for de-sizing within temperature: 30°C ~ 95°C. High concentration.
Scouring Agent	BENMORLE FS-30	L	N	Special non-ionic surfactant	Scouring, penetrating and stain removing agent .Suitable for all types of fibers in exhaustion process for de-sizing, scouring, bleaching and stain removing. NPEO, APEO free.
	BENMORLE FS-60	L	N	Special non-ionic surfactant	Scouring, penetrating and stain removing agent. Suitable for all types of fibers in exhaustion process for de-sizing, scouring, bleaching and stain removing. NPEO, APEO free. Higher concentration.
	BENMORLE FS-75	L	N	Special non-ionic surfactant	Scouring, penetrating and stain removing agent. Suitable for all types of fibers in exhaustion process for de-sizing, scouring, bleaching and stain removing. NPEO, APEO free. Highest concentration.
	BENMORLE CBP	L	N	Fatty alcohol alkoxyate	Low foaming detergent and wetting agent with good emulsifying and dispersing power. Suitable for continuous process for all types of fibers. Stable in high alkaline liquors up to 55 g/l caustic soda.
	BENMORLE SL-376N	L	A	Special non-ionic surfactant	Acidic detergent for synthetic fibers (Nylon, Polyester) in all types of processes.
Sequestering Agent	BENQUEST C-80F	L	A	Polyacrylate Copolymer	Sequestering the metal ionic (ex Fe <sup>2+</sup> , Fe <sup>3+</sup> , Mg <sup>2+</sup> , Ca <sup>2+</sup> , etc) in water, suitable for Denim and continous process.
	BENQUEST CA-170	L	A	Polyacrylate Copolymer	Sequestering the metal ionic (ex Fe <sup>2+</sup> , Fe <sup>3+</sup> , Mg <sup>2+</sup> , Ca <sup>2+</sup> , etc) in water. Suitable for all types of fibers in all processes.
Mercerizing Agent	BENVADINE MR-100	L	A	Sulfonate compounds	Suitable for cotton and its blends. Enhance the swelling of fibers and improve the wetting power. High alkali resistance.



## DYEING AUXILIARIES (PRE-TREATMENT)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Wetting Agent	Benwet TD-W	L	A		Low-foaming wetting and deaerating agent for pre-treatment and dyeing. Suitable for cellulose fiber and its blends in continuous and exhaust dyeing process. Improve the penetrating effect to get uniform finishing effect.
	Benwet EH-K	L	A		Low-foaming wetting agent for sulphur and reactive dyeing process, removes the dullness of sulfur dyes and improves the luster in shade.
	Benwet NF-K	L	A		Low-foaming wetting agent for indigo dyeing and denim rope dyeing. Has abilities in resisting NaOH, de-air, and penetration.
Stabilizer for H <sub>2</sub> O <sub>2</sub>	BENRISE PB	L	A	Special formulated surfactant	H <sub>2</sub> O <sub>2</sub> stabilizer, improve bleaching effect.
Killer of H <sub>2</sub> O <sub>2</sub>	BENZYME DHP	L	N	Enzyme derivatives	Remove residual hydrogen peroxide after peroxide bleaching process.
All in one	BENMORLE AM-300	L	A		An all in one pre-treatment agent including scouring agent, sequestering agent, stabilizer and wetting agent. Low BOD, COD. Suitable for cotton and T/C fabrics.

## DYEING AUXILIARIES (DYEING PROCESS)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Wetting Agent	Benwet TD-W	L	A		Low-foaming wetting and deaerating agent for pre-treatment and dyeing. Suitable for cellulose fiber and its blends in continuous and exhaust dyeing process. Improve the penetrating effect to get uniform finishing effect.
	Benwet EH-K	L	A		Low-foaming wetting agent for sulphur and reactive dyeing process, removes the dullness of sulfur dyes and improves the luster in shade.
	Benwet NF-K	L	A		Low-foaming wetting agent for indigo dyeing and denim rope dyeing. Has abilities in resisting NaOH, de-air, and penetration.
Levelling and Dispersing Agent	BENLEVER RL-T	L	N		Levelling agent made for direct and reactive dyestuff on cotton, rayon, and their blends.
	BENTRON DS-P	L	N	Salt of aromatic sulphonic acids	Powder form dispersing agent for dyeing polyester and its blend.
	BENTRON K-40	L	N	Aromatic sulphonic acids	Liquid form dispersing agent for dyeing polyester and its blend.
	BENTRON K-500	L	A	Special surfactant	Liquid dispersing-leveling agent for dyeing polyester fibre and its blends. Stable in acid and alkali solution with excellent retarding, penetrating, and low-foaming abilities.
	BENTRON S-7000	L	A	Aromatic sulphonic acids	Liquid dispersing agent for dyeing polyester and its blend at a high temperature (130~135°C) with oligomer removing ability and compatibility with non-ionic products.
	BENLON N-900	L	A	Special surfactants	Liquid leveling agent for acid dyestuff in nylon or wool fabrics with a good migrating ability.
	BENLEVER AN	L	C	Special cationic surfactant	Liquid levelling agent for basic dyestuff with abilities to dye polyacrylonitrile fibers with cationic dyes.



## DYEING AUXILIARIES (DYEING PROCESS)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Rope Opener	Bensoft M-8610				Softener specially for continuous indigo dyeing as a rope opener. Improve winding and reaming of yarns.
Anti-Crease Agent	BENSOFT A-12	L	N	Special formulated surfactant	Promote reduction in fiber-fiber and fiber-metal friction causing an increase capability for fabric to fold uniformly without crease marks.
Retarding Agent	BENLEVER PAN	L	C	Amine derivate	Cationic retarding agent for dyeing acrylic fiber with high saturation value for basic dyes. Good penetrating effect and low-foaming.
	Benlever PAN 650	L	C	Amine derivate	Cationic retarding agent for dyeing acrylic fiber with high saturation value for basic dyes. Good penetrating effect and low-foaming. High concentration
Anti-Migration Agent	BENMIGRATE LS-15N	L	A	Acrylic copolymer	Anti-migration agent for continuous dyeing on cotton, polyester and its blend. Exhibit fluidity, traceability, and stable viscosity.
Reduction Cleaning Agent	BENMORLE FA-004A	P	A	Organic reduction agent	Low odor acidic reduction cleaning agent, suitable for polyester and its blend. Replacement of sodium hydrosulphite.
	BENMORLE FA-300	P		Special surfactant	Low odor acidic reduction cleaning agent, suitable for polyester and its blend. Remove unfixed dyestuff and improve fastness properties of dyes. Replacement of sodium hydrosulphite.
Soaping Agent	BENMORLE RC-580	L	A	Special surfactant	Reactive dye soaping agent working at 60 to 800 C. Save steam and electricity consumption.
	BENMORLE RC-117W	L	A	Special anionic surfactant	Soaping agent suitable for all dyeing process, Prevent the staining and improve brightening effect.
	BENMORLE RC-896ECO	P	A	Special surfactant complex	Powder form soaping agent for cotton reactive dyes. Light shaded soaping water and can reduce water washing after soaping. Has low BOD and COD value.
	BENMORLE RC-425A	L	A	Special polymer surfactant	Acid type soaping agent without a need of neutralization. Improve colour fastness and prevent stains.

## DYEING AUXILIARIES (FINISHING PROCESS)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Fixing Agent	BENFIX A-22	L	C	Polyamide active agent	Non-formaldehyde fixing agent for direct and reactive dyestuffs to improve washing fastness. High resistance to salt, hard water, alkali, acid, and high alkali in mercerizing process.
	BENFIX A-50	L	C	Polyamide active agent	Non-formaldehyde fixing agent for cellulose fiber, direct-dye dyeing and reactive-dye printing. Resistance to high alkali in mercerizing process. Improve wet fastness for green and turquoise blue colour.
	BENFIX NPT	L	A	Aromatic Oligomer Compound	Acidic fixing agent for nylon fibre and blended fabric dyeing. Improve water fastness (no change in colour) and help eliminate surface contamination which occurred when use Tannic acid. Effective under low temperature condition Suitable for all processes.
	BENFIX A-267	L	C	Polyalkylamine	Fixing agent for direct and sulfur dyestuffs. Improve water-washing fastness with high resistance to salt, hard water, alkali, and acid. Suitable in both dipping method and continuous method.
Softener	BENSOFT AC-100	F	N		Non-ionic softener for cellulose and its blend. No yellowing on heat treated fibers. Good solubility in hot water.
	BENSOFT WQC-100	G	C		Granular cationic softener suitable for cotton and its blend fabrics. Promote pilability, softness, and silky hand feel with anti-static property for fabrics. Applicable in garment wash. Not contain AEEA (Amino Ethyl Ethanol Amine).
	BENSOFT ABS-155	L	N	Modified Micro silicon emulsifier	Non-ionic micro-silicone hydrophilic softener which provides ultra-soft hand feel on cotton, viscose, rayon and linen fabrics. Maintain the hydrophilic nature of cellulosic fabrics. Applicable with polyester to promote cotton-like feeling.
	BENSOFT ABS-300	L	N	Modified Micro silicon emulsifier	Non-ionic micro-silicone hydrophilic softener which provides ultra-soft hand feel on cotton, viscose, rayon and linen fabrics. Maintain the hydrophilic nature of cellulosic fabrics. Applicable with polyester to promote cotton-like feeling. High concentration
	Bensoft HRC-70	L	C	Modified Macro silicon emulsifier	Weak cationic macro-silicone hydrophobic softener with wrinkle resistance effect. Can be applied on T/C, CVC, Cotton. Promote elastic and stretch-back effect. Applicable in high temperature (170-190°C) without causing yellowing effect.
	Bensoft HRC-100	L	C	Modified Macro silicon emulsifier	Weak cationic macro-silicone hydrophobic softener with wrinkle resistance effect. Can be applied on T/C, CVC, Cotton. Promote elastic and stretch-back effect. Applicable in high temperature (170-190°C) without causing yellowing effect. High concentration.

G = Granule, P = Powder, F = Flake, L = Liquid



## DYEING AUXILIARIES (FINISHING PROCESS)

Category	Product Name	Form	Ionicity	Chemical Nature	Description
Penetration Agent	Benvadine PT-70N	L	N		Non-ionic penetration agent easily dissolve in water with anti-foam effect. Improve dyestuff's dispersibility and solubility resulting in better color values and greater uniformity. Suitable for cheese dyeing with de-airing and penetrating ability.
PE Wax Emulsion	BENSOFTE PE-25	L	N		Non-ionic polyethylene wax emulsion in finishing process that provides smooth processing, improve sewing ability, prevent pinhole, wrinkle-free process, and easy calendaring.
Lubricant for yarn	BENSOFTE CD-820	L	C	Wax emulsion	Finishing agent for cheese dyeing with smooth property to all kinds of fibers. Improve winding, weaving and knitting ability. Suitable for softening and lubricating finishing by uniformly absorb both inner and outer layer.
Anti-Pilling Agent	BENZYME DP-558	L	N	Acid cellulose enzyme	Stabilized liquid cellulose enzyme with strong and rapid de-pilling effect. Suitable for cotton at temperature range of 500 C ~ 600 C (pH= 4.5 ~ 5.5).
Water Repellant	Benpel TF-305	L	C	C-6 Alkyl fluorine	Water and oil repellant for cotton fibres, polyamide, and polyester fabrics. Excellent water repellency based on C-6 alkyl fluorine chemistry with PFOA and PFOS free.
Antimicrobials	Silvadur Flex 930	L	A	Aqueous-base silver-polymer system.	DuPont's Anti-microbial which uses a patent, polymer-based delivery system to transport and secure silver-ions to textile goods efficiently. Compatible with wide range of textile chemicals, including latex resins (such as acrylic, PVA, SBR, EVA), and finishing agents (such as anti-wrinkle resins, wicking, and softeners)



# PRODUCT

## 3. WASHING

Category	Product Name	Form	Ionicity	Description
Anti-Back Staining Agent	BENMORLE AB-K	P	N	Polyester resin base anti-back staining agent for denim garment washing to prevent back staining of Indigo dyes and improve washed look. Suitable for for polyester.
	BENMORLE CK-100	P	N	Anti-back staining agent for denim garment washing to prevent back staining of Indigo dyes and improve washed look. Suitable for both polyester and cotton.
	BENMORLE CK-500	P	N	Fatty alcoholc base anti-back staining agent for denim garment washing to prevent back staining of Indigo dyes and improve washed look. Suitable for for full cotton.
	BENTRON PL-7	L	A	Liquid anti-back staining agent suitable for denim garment washing to prevent back staining of Indigo dyes and improves washed look.
Acid Enzyme	BENZYME TF-300	L		Acidic liquid cellulase enzyme designed to use by itself or with pumice stone. Compatible with buffering agent and detergents. Effective with low back stain indigo.
Liquid Bio-polish Enzyme	BENZYME C-488	L		Natural liquid enzyme designed to use by itself or with pumice stone. Compatible with buffering agent and non-ionic detergents. Effective with low back stain indigo.
Powder Bio-polish Enzyme	BENZYME P-210	P	N	Natural powder enzyme designed to use by itself or with pumice stone. Compatible with buffering agent and non-ionic detergents. Effective with low back stain indigo.
Bio-polish Enzyme (Stone free)	BENZYME P-155	P	N	Stone free natural powder enzyme designed to use without pumice stone. Compatible with buffering agent and non-ionic detergents. Effective with low back stain indigo.



# PRODUCT

## 4. PRINTING

Category	Product Name	Description
Blunket gum	BENSIZE PVA P-17A	Polyvinyl alcohol, soluble and biodegradable synthetic polymer with superior bonding strength, film forming and emulsifying properties for printing gum. Viscosity 20.5-24.5 cps.
	BENSIZE PVA P-24A	Polyvinyl alcohol, soluble and biodegradable synthetic polymer with superior bonding strength, film forming and emulsifying properties for printing gum. Higher viscosity 43-50 cps.
Resistant salt	BENSISTER SR	Effectively resist the destruction of the reducing agent. Improve the affinity of the dyestuff towards the fibre and acceleration of the dyestuff's association and lowering its solubility.
Soaping agent	BENMORLE RC-580	Reactive dye soaping agent working at 60 to 800 C. Save steam and electricity consumption.
Fixing agent	BENFIX A-50	Non-formaldehyde fixing agent for direct and reactive dyestuffs to improve washing fastness. High resistance to salt, hard water, alkali, acid, and high alkali in mercerizing process.

# PRODUCT

## 5. HIGH CONCENTRATION

Category	Product Name	Description
Detergent	BENMORLE FS-90	Dilutable, high concentration detergent with NPEO and APEO free. Remove oil and wax in de-sizing, scouring, and bleaching on exhaustion process.
Sequestering agent	BENQUEST CA-820	Dilutable, high concentration sequestering and dispersing agent. Used in scouring, bleaching, and dyeing process for cotton, rayon, and their blends. Low foaming property.
Stabilizer for H <sub>2</sub> O <sub>2</sub>	BENRISE PB-100	Dilutable, high concentration H <sub>2</sub> O <sub>2</sub> stabilizer to improve bleaching effect.
Leveling agent	BENLEVER RL-100	Dilutable, high concentration leveling agent for direct and reactive dyestuff.
Soaping agent	BENMORLE RC-896ECO	Powder form soaping agent for cotton reactive dyes. Light shaded soaping water and can reduce water washing after soaping. Has low BOD and COD value.




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# PRODUCT

## 6. DYESTUFF

With our extensive dyestuff range you can find desired product suiting your requirements with great colour fastness and no fading.

- 
- Reactive Dyes
  - Disperse Dyes
  - Direct Dyes
  - Acid Dyes
  - Basic Dyes
  - Sulphur Dyes
  - Indigo Dyes
  - Optical Brightening Agent

# PRODUCT

## DYESTUFF

Category	Product Name	Form	Description
Dyestuff	REACTIVE DYES	P	Dyes used mostly for cotton, rayon, and cellulosic fabric. Reactive dyes have a bright shade with high washing fastness and rubbing fastness properties.
	DISPERSE DYES	P	Dyes for polyester fibre with variety of shades and excellent properties.
	DIRECT DYES	P	Effective dyes for Cotton.
	ACID DYES	P	Economical and simple dyes for Nylon fibres offering great light fastness.
	BASIC DYES	P	Cationic dyes that are mainly used for dyeing acrylic fibre and cationic dyeable polyester fibre.
	SULPHUR DYES	P	Relatively cheap dyes offering good colour strength for Cotton black.
	INDIGO DYES	P	Classic denim dyes of the best quality.
Optical Brightening Agent	BENWHITE BB	P	Optical brightening agent for Cotton, Nylon.
	BENWHITE ETB	L	Optical brightening agent for polyester.
	BENWHITE BAC	L	Optical brightening agent for Acrylic Fiber.



# PRODUCT

## 7. WASTE WATER TREATMENT

Category	Product Name	Form	Description
De-Colouring Agent	BENFILL E-10	L	De-colouring agent for dyeing and finishing process. Help on shrinking and prevent salt of chloride. Effective against excess waste water, dyestuffs, deeply colour waste water. Not contain chlorine.
	BENFILL E-20	L	De-colouring agent for dyeing and finishing process. Help on shrinking and prevent salt of chloride. Effective against excess waste water, dyestuffs, deeply colour waste water. Not contain chlorine. Higher solid content.
Polymer (Polyelectrolytes)	POLYMER AA	G	Anionic polyacrylamide flocculant supplies with high molecular weight. Used as a coagulant aid in primary clarification and industrial waste water treatment procedure.
	POLYMER CAT	G	Cationic polyacrylamide flocculant supplies with high molecular weight. Used as a coagulant aid in primary clarification and industrial waste water treatment procedure.
Poly Aluminium Chloride	PAC	P	Use in purification of water such as city water, Industrial water, industrial waste water, and civil waste water for its high purity content, high coagulation ability, stable physical property and long duration.

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# PRODUCT

## 8. OTHER CHEMICALS

All your special needs can be fulfilled with our client customised products tailored to any of your desires. Our R&D team is able to bring personalised chemicals to any textile production requirements.



4.1 TEXTILE BASIC CHEMICALS

4.2 INDUSTRIAL CHEMICALS



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## TEXTILE BASIC CHEMICALS

Sodium hydroxide / Caustic soda (flake, pearl)

Glacial Acetic Acid (GAA)

Sodium hydrosulfite 85%, 90%

Hydrogen Peroxide

Citric acid

Organic acid

DMF

Monosodium phosphate

Sodium metabisulfite



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**INDUSTRIAL  
CHEMICALS**

Paraformaldehyde (PFA) 92%, 96%

Melamine powder

HDPE

Paraffin wax

VAM (Vinyl Acetate Monomer)

VAE Emulsion (Vinyl Acetate-Ethylene Emulsion)

PTG, PTMEG (Polytetramethylene Ether Glycol)

1,4-BDO (1,4-Butanediol)

MPO (2-Methyl-1,3-propanediol)

Amino resins

Soybean oil

Ethyl acetate

IPA



**NOTES**



# LOCATIONS AND CONTACTS

## THAILAND

### BEN TECH CHEMICAL CO., LTD.

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