



BLUE CLEAN SOLUTIONS

AN ISO 9001 : 2015 CERTIFIED COMPANY

Manufactures of :

Laundry Chemicals

Stain Removers

Speciality Chemicals

Wet-Cleaning Chemicals

Dry-Cleaning Chemicals



ABOUT BLUE CLEAN SOLUTIONS

Proudly announcing the introduction of **B.C Series** of Laundry Detergents & Chemicals that are revolutionary in many ways and at the same time, cost effective and simple to use. All our products are specially formulated after years of R&D and trials based on international standards and manufactured using world class ingredients & technology.

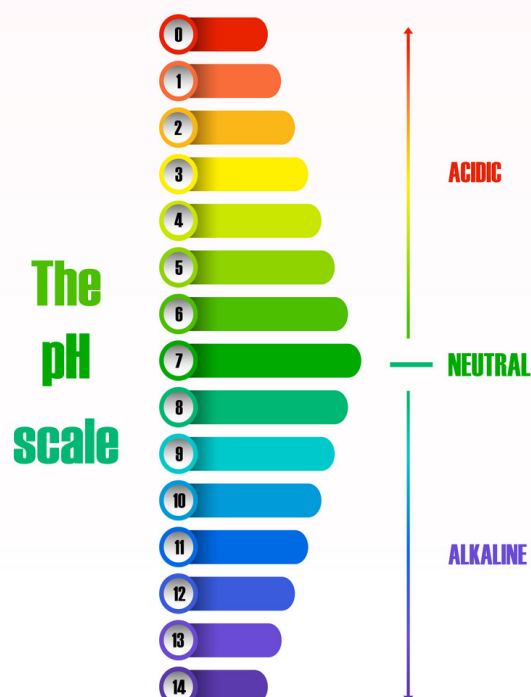
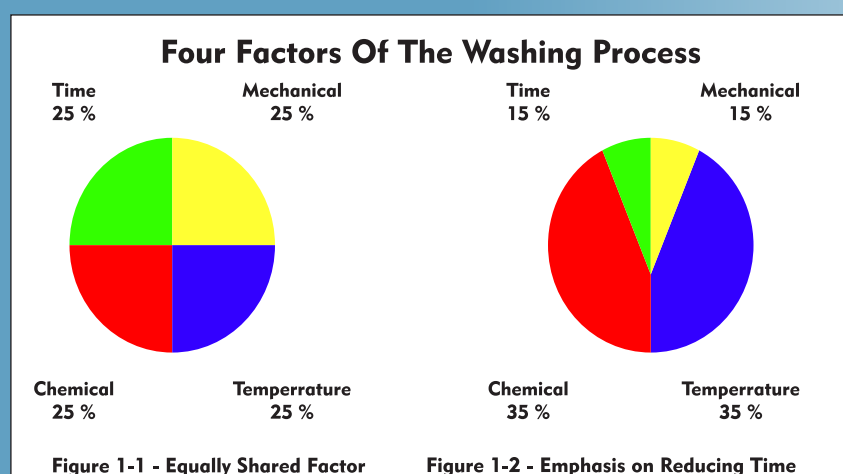
With the introduction of our new generation products, we are trying to address many of the issues faced by the today's Laundry Operators. One of major issues related to the Laundry industry, in today's skilled manpower starved atmosphere, is the usage of multiple products that are difficult to maintain. Similarly hard / hot water is another major impediment in getting the right quality of wash. The BC Series is developed keeping all above issues, so the products act tough on stains and soils at the same time remain gentle on fabric. Most of our products are capable of producing best result even in adverse conditions. Also it reduce the need of using multiple products, as most combine multi - action ingredients, thereby helping operators in reducing the number of chemicals used.

Salient Features :

- **Specially formulated products with world class ingredients-**
- **High Performing Products with multiple action formulas.**
- **Bio degradable, phosphate free & environment friendly-**
- **Eliminate the need for multiple products thereby ensuring quality & consistency-**
- **In-built optical whitener & brightener**
- **Color Safe, protect and arrest color bleeding**
- **Most economically priced**

Our Success is purely based on our understanding the needs of the Industry, customers specific product combinations, reasonable pricing & excellent after sale support and an established customer trust.

LAUNDRY WASHING PROCESS FACTORS





BC-CRYSTAL

BC CRYSTAL is a fully built, synthetic detergent powder specially formulated for the processing of white all type of fabrics, For better whiteness and spot results, BC CRYSTAL is based on a specialized blend of detergents which provide exceptional wetting out, emulsifying and soil removal properties on fabrics. It contains sodium carboxymethyl is present as the main soil suspending agent to prevent any redeposit ion and a specialized system of optical whitening agents is presents is present is present to confer excellent whiteness

PRODUCT HIGHLIGHTS

- With Brightener
- Photocatalyst Technology
- with Enzymes



BC-SUPREME

BC-Supreme is a fully in-built, synthetic detergent powder, consisting high quality Proteolysis Enzyme components. The formulation contains high percentage of oxidizing agent. The superior biological product is a blend of anionic and non-ionic detergents quickly breakdown proteinaceous substances like blood, milk and food stains. Suitable for Hospital, Hotel, Linen Hire industry etc. Though it work in ambient temperatures, best perform above 60°C.

PRODUCT HIGHLIGHTS

- Photocatalyst Technology
- With A.R.D Technology
- with Enzymes



BC-DET

BC Det is a complex blend of high quality detergent raw materials formulated to efficient washing results. BC Det contains an optimized blend of alkalis, surfactants, brighteners that give optimum results & fragrance. It saves energy, water and time that helps in cost saving. Recommended to use in all commercial laundries in conjunction with BC Emulsifiers for effective removal of soils and grease

PRODUCT HIGHLIGHTS

- Photocatalyst Technology
- With A.R.D Technology
- with Enzymes



BC-ULTRA

BC ULTRA is a complex blend of medium quality detergent raw materials formulated to efficient washing results. It is an all fabric, all temperature products that is cost effective yet give far better quality than many of the contemporary products. It saves energy, water and time that helps in cost saving. Recommended to use in all commercial laundries in conjunction with BC Emulsifiers for effective removal of soils and grease.

PRODUCT HIGHLIGHTS

- With Perfumes



BC-LD

BC LD (Liquid Detergent) contains triple surfactant with triple action formula. This unique product suitable for both - tough as well as delicate fabrics. Remove oil stains, soils, and also gives better brightness and whiteness. Contains additives for cold water efficiency. The product is bio-de gradable & phosphate free. Widely used in commercial laundries, hotels, hospitals & specialty Laundromats

PRODUCT HIGHLIGHTS

- Works in hard water
- With Brightener
- With A.R.D Technology

Water Hardness Table

German Hardness °dH	mg/l Calcium Oxide	mg/l Calcium Carbonate	Water Conditions
0 - 3	0 - 30	0 - 50	Soft
3 - 6	30 - 60	50 - 100	Moderately soft
6 - 12	60 - 120	100 - 200	Slightly hard
12 - 18	120 - 180	200 - 300	Moderately hard
18 - 25	180 - 250	300 - 450	Hard
25 +	250 +	450 +	Very hard

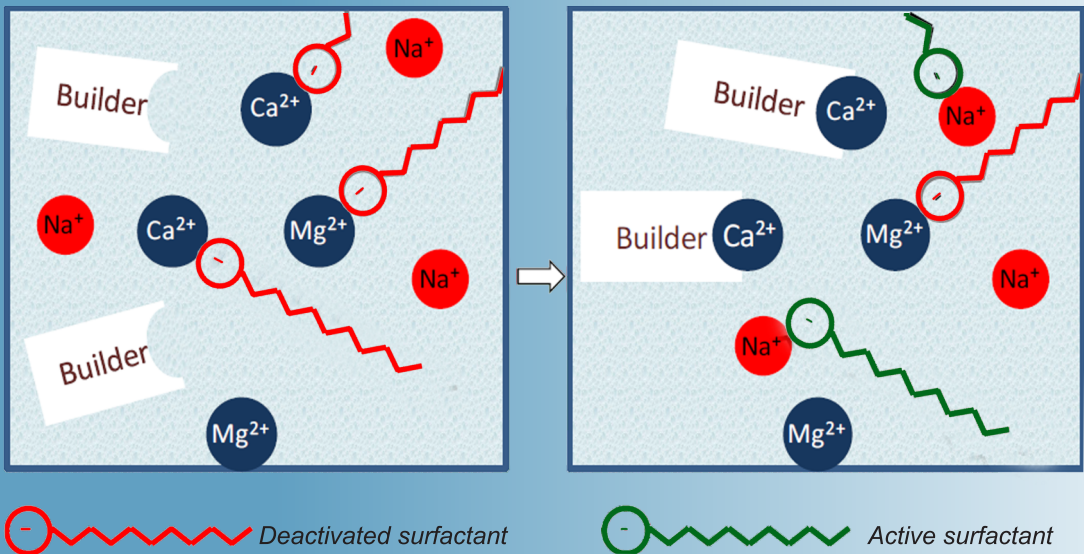
Why Blue Clean Detergents Works in Hard Water ?

Blue Clean detergents are formulated with full of “builders”. These builders enhance the action of surfactant. For example, various types of builders are used to soften the water, to help disperse soils, prevent their re-deposition of soils and to provide alkalinity (which assists the dissolving of oil-based soils)

Note : Phosphate free formula

How do they work ?

Water naturally contains positively charged metal ions (cations). The concentrations of two of these cations, calcium (Ca^{2+}) and magnesium (Mg^{2+}), determine how hard the water is. Ca^{2+} and Mg^{2+} can react with anionic surfactant, causing them to work less efficiently or to precipitate onto fabrics or the inside of the washing machine. Ca^{2+} can also hinder stain removal by binding soils to the fabric. Thus hard water hinders the action of surfactant. Builders soften water by interacting with Ca^{2+} and Mg^{2+} . When these cations are interacted with the builder, they do not interfere with the actions of surfactant.





BC-LEVO

BC LEVO is an optimized blend of Alkalies, Surfactants and Water Softeners for giving a complete washing quality. The product contains degreasing agents that help remove Stains, Fat & Oil stains. The product can be used in both hard and soft water conditions. For optimal quality use in temperature above 60° C.

PRODUCT HIGHLIGHTS

- Medium Duty Formula
- With A.R.D Technology

Emulsifiers



BC-50

BC 50 is an active blend of anionic detergents specially formulated to emulsify a wide range of oil stains & greases from all types of linen including cotton & synthetic blends such as terylene, nylon and polyester. This new generation surfactant formula is quite efficient in removal of oil stains at the same time economical in pricing, thereby reducing the cost without compromising the quality.

PRODUCT HIGHLIGHTS

- Excellent Oil & Grease Remover



BC-100

BC 100 is a concentrated emulsifier, specially formulated for pre treatment of cloths and removals of fatty and oily stains. This high quality liquid emulsifier suitable for effective cleaning of fabrics exposed to mineral oils and grease stains. This versatile product can be used as a spotter as well as for pre washing of highly soiled fabrics. The product contains anti re-deposition agents which keep soils from getting re-deposited during the wash process.

PRODUCT HIGHLIGHTS

- With Booster
- With Brightener
- With A.R.D Technology



BC-200

BC- 200 is a Laundry Concentrated Emulsifier specially formulated for the effective pretreatment of stains and spots on fabric. It contains high power multiple super efficient surfactant, penetrates fabrics and lift out soil. No rub, fast action on stubborn cuff & collar stains, F&B linen

PRODUCT HIGHLIGHTS

- With De-greaser
- Removes All type of Oil Stains
- With A.R.D Technology



BC-1000

BC- 1000 is a concentrated liquid surfactant booster with multiple surfactants. Effectively remove fatty/oil and soil stains. It has multifunctional properties. Recommended to use in conjunction with alkalinity detergents or main wash detergents

PRODUCT HIGHLIGHTS

- New Generation Formula
- With A.R.D Technology
- With Advanced Technology

About the Surfactants

What do they do ?

Surfactant's are the active cleaning agents that perform three major roles:

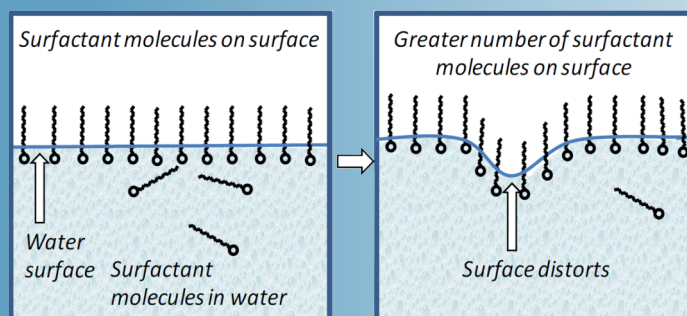
- penetrating and wetting fabric
- loosening soils (assisted by the mechanical action of the washing machine)
- emulsifying soils and keeping them suspended in the wash solution

Surfactant's have two domains within the one molecule - a polar or hydrophilic (water-loving) head the group and a non-polar, "fatty" or hydrophobic (water-hating) tail. The basic principle at work is that polar substances interact well with other polar substances, and non-polar substances interact well with other non-polar substances.

Penetrating and wetting fabric

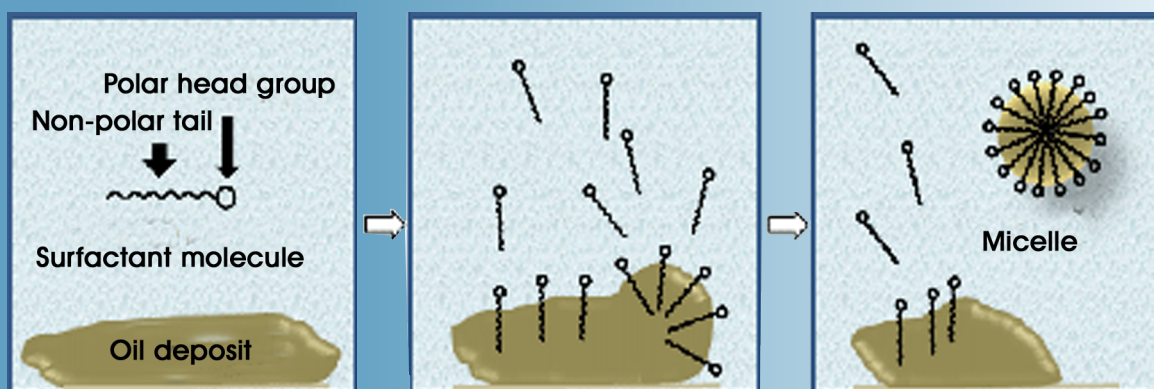
Water has a high surface tension, that is, it resists distortion at its surfaces (water-air, water-oil, water-solid).

When a detergent is added, surfactant molecules accumulate near the surface of the water because the non-polar (hydrophobic) tail of the surfactant wants to get away from the water. Since the surfactant disrupts the bonding of water molecules, the water distorts and more surfactant molecules fit near the surface. Because the water now has reduced surface tension it can permeate previously non-wettable surfaces, such as fabrics.



Oil and water do not usually mix. Oil is a non-polar substance and water is a polar substance. However, in the presence of a high enough concentration of surfactant molecules, oil can effectively be emulsified (suspended evenly) in water.

So, the polar (hydrophilic) part of the surfactant molecule is attracted to water, and the non-polar (hydrophobic) part is attracted to the oil. Surfactant molecules accumulate around the oil, and once there are enough molecules a spherical micelle forms. The portion of oil in the micelle is effectively suspended in water. The process can repeat as long as there are available surfactant molecules to interact with the oil deposit.





BC-OXI Liquid

BC OXI is a liquid, oxygen releasing bleaching agent. The product is efficient on both – colored as well as white fabrics. The product can be used with conventional detergents and does not fade the color cloths. It performs to maximum efficiency when the bath water temperature rises above 60-70° C. It is also used as an effective sanitizing agent in Hospitals & health care industry.

PRODUCT HIGHLIGHTS

- Fabric Safe Bleaching
- Disinfectant



BC-HYPO

BC HYPO is a high performing bleaching agent that is recommended only for white fabrics. It contains 10-12% chlorine. This consistent product removes blood and other bleachable stains from all types of white fabrics. It is also used as an effective sanitizing agent in Hospitals & Health care industry.

PRODUCT HIGHLIGHTS

- Fabric Safe Formula
- Disinfectant

Neutralizers



BC-RINSE Powder

BC RINSE powder is an alkali and neutralizing agent which also function as an anti-chlor. It prevents yellowing and reduce fading of the fabrics by layer formation of residual alkalinity layer formation on fabric and washing equipment. Rinse is an effective anti-chlor and neutralizes free chlorine from the rinse water

PRODUCT HIGHLIGHTS

- With Brightener



BC RINSE Liquid

BC RINSE Liquid is a superior quality alkali and neutralizing agent specially formulated for better effect and even application. BC Liquid Rinse is an effective anti-chlor and neutralizes residual alkaline and free chlorine from the rinse water. It prevents yellowing and reduce fading of the fabrics by layer formation of residual alkalinity layer formation on fabric and washing equipment.

PRODUCT HIGHLIGHTS

- Neutralize residual Alkalinity

Brighter / Whitener



BC-BRIGHT

BC-BRIGHT Is A Specially Formulated Product For Giving More Whiteness To White Fabrics And More Brightness To Color Fabrics. It Will Works Based On Uv Light Technology

PRODUCT HIGHLIGHTS

- UV Light Effect Formula
- 99% Active Content Product



BC SOFT Pink

Excellent fabric softener with high perfume. Extra brightening agent and color protector. suitable for all cotton, synthetic fabrics and baby cloths. Reduces drying time and makes ironing easier, widely used in commercial laundries, Hotels, Hospitals, House holds and Textile industries. Economically priced

PRODUCT HIGHLIGHTS

- With Neutralizer
- With A.R.D Technology
- Molecule Bonding Technology



BC-EXTRA SOFT

This special product from BC house is an excellent fabric softener with extra high perfume. This concentrated softener is formulated with new generation technology so as to ensure long term fragrance and retention and high smooth fabric finish. The product is ideally suitable for commercial & Hotel laundries.

PRODUCT HIGHLIGHTS

- Molecule Bonding Technology
- With Neutralizer

7 Days Fragrance Guaranty After Drying



BC SOFT Lemon

Excellent fabric softener with high perfume. Extra brightening agent and color protector. suitable for all cotton, synthetic fabrics and baby cloths. Reduces drying time and makes ironing easier, widely used in commercial laundries, Hotels, Hospitals, House holds and Textile industries. Economically priced

PRODUCT HIGHLIGHTS

- With Neutralizer
- With A.R.D Technology
- With Advanced Technology

Stain Removers (Spotting Agents)



Stains

Rust Remover BC- RS

Ink Stain Remover BC-IS

Blood Stain Remover BC-BS

Oil Remover BC-OS

Hand drop stain Preventor BC-O₂

Fabric Softeners

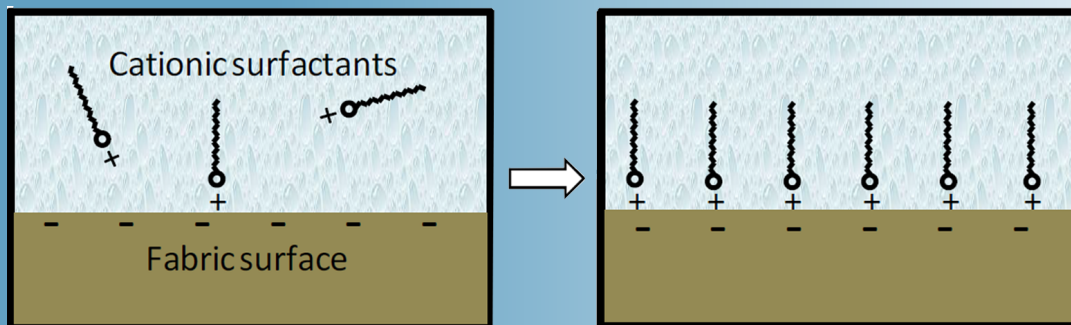
What is the purpose of using Softeners?

Fabric softeners can impart a number of properties to fabrics:

- Softness (or fluffiness for towels) and smoothness
- Reduced static electricity (preventing fabric from clinging)
- Reduced crinkling (and greater ease of ironing)

How do they work?

Fabric softeners are cationic surfactant, meaning that their polar head-groups bear a positive charge. These are attracted to the negatively charged fabric surface that associated with the fibre. With the positively charged head group associated with the fabric, the fatty tail protrudes from the surface and imparts a feeling of softness or smoothness to the fabric. The layer of molecules on the surface may also endow the fabric with some water-proofing properties by aligning the molecules of fabric softener at the fabric surface.



Reduced static

Electrical charge or static, builds up on fabrics as the fibre rub together, especially in the clothes drier. When fabric softeners coat the fibre, as described above, they provide a lubricating coat that enables fibres to rub together without the static build up. The coat of fabric softener molecules also conducts electricity and so, allows discharge of static in case of such build up.

Gold Card Membership

Golden Membership Benefits

Our team will be visiting your site on a monthly basis and offer the following:

Benefits :-

- Water condition & pH test report
- Whiteness test report
- Fabric softness test report
- Machinery condition report
- Advance laundry process training
- We provide required certifications for Hospitals, Hotels, Domestic & Pharma

How will it help's to your marketing..?

- You may show our monthly visiting reports, water hardness, pH test report to your clients.
- Members can show Whiteness & Softness reports of fabric to clients.
- You can also exhibit the Certifications for the clients.

Eligibility for Golden Membership

- One year contract based chemicals supplying agreement has to be done between Blue Clean Solutions and your firm.
- Should follow our protocols and operational procedures.



BC-STARCH

BC STARCH is a Synthetic, Thermoplastic, Polymer starch particularly recommended for the starching of polyester cotton, work wear, coloured table linen and shirts. Thermoplastic polymers soften progressively as their temperature increases and regain their original condition when cooled. BC STARCH also act as a surface dressing and protects the fibers from permanent heavy soiling and protects the fibers from permanents heavy soiling, giving longer to polyester cotton and other synthetic work wear

PRODUCT HIGHLIGHTS

- With Brightener
- Bettetr Stiffness



BC-DRYZOL

BC- DRYZOL is a highly concentrated detergent which will provide excellent soil removal on all types of fabrics. It solubilizes oils and greases by forming a stable emulsion once in solution. DRYZOL - LD acts as a water carries, which allows the addition of water to the ddry cleaning machine to aid the removal of water borne stains which would not be removed by the solvent alone. DRYZOL-LD may also be used as a genral purpose pre-spotting agent when heavy soiling a problem. it may be mixed with water or solvent or used neat, depending on requirements

PRODUCT HIGHLIGHTS

- With UK Technology
- Next Generation Products



WET CLEAN Detergent

Concentrated liquid detergent specifically formulated for the wet cleaning of textiles. Low foaming with good soil removal and anti redeposition capabilities. Contains a woll - repairing agent to help prevent felting adn shrinkage during the process. As a guide, add the rate of 20-25ml per kg dry weight of fabric at temperatures from 25°C to 70°C, depending on the type of fabric being cleng cleaned.

PRODUCT HIGHLIGHTS

- With UK Technology
- Next Generation Products



PERCHLOROETHYLENE

Perchloroethylene is a colorless liquid widely used for dry cleaning of fabrics. Hence it is called dry-cleaning fluid. It is an excellent solvent for organic materials, otherwise is volatile, highly stable, and nonflammable. The acute toxicity of ethylene is moderate to low.z

PRODUCT HIGHLIGHTS

- With UK Technology
- Next Generation Products



HYDROCARBON SOLVENT

It is petroleum-based solvent Hydro carbon. These solvents are less aggressive than perc. It is eco-friendly as compared to perc. Bacteria in soil naturally degrades hydrocarbons.

PRODUCT HIGHLIGHTS

- With UK Technology
- Next Generation Products

Frequently Asked Questions & Solutions.

➤ How to remove Hand drop & Betadine stains ?

Betadine Stain:

In machinery wash add BC Crystal / Supreme along with BC Oxi in hot water (above 60°C).

Hand drop:

Hand drops having CHG drug, will react with liquid bleach so that area will develop to a red stain. In order to remove hand drop stains use 'Blue Clean detergents' along with 'BC-O₂' which is an additive with builders.

Note: While new stains can be removed easily, old stains may required multiple washing as they get embedded due to age and ironing process.

➤ How to remove ink, blood, rust, oil and grease stains ?

Ink Stain :

BC-IS will work effectively on ink stains. It is easy to remove fresh stains. Never iron or apply heat on stains which make them more stubborn to removal process.

Blood Stain :

BC-BS fast action formula works effectively on blood stains

Rust Stain :

BC-RS formulated with effective rust removal properties.

Oil&Grease Stain :

BC-OS is a concentrated solution that effectively removes Oil & Grease Stains.

➤ How to get whiteness and brightness to old linen without linen damage?

Solutions :

Blue Clean Detergents along with BC-Bright in the 'last rinse' will enhance the whiteness and brightness of the fabrics.

➤ How to get softness to towels and after drying fragrance should I get ?

Solutions :

The specially imported fragrances from UK with unique bonding technology in the BC-Soft / BC-Extra Soft will ensure long term retaining of pleasant smell that longer to the fabric even after drying and days and days of usage.

➤ How to remove hair color & lipstick stains ?

Solutions :

Soak fabric with stains in hot water above 65°C, add BC-O₂ , BC-1000 and BC-Crystal, for 60 minutes and there after wash in the regular washer for 20-30 minutes.

➤ Which product is suitable for manual Dry-Cleaning ?

Solutions :

BC-DRYZOL is a specially formulated dry-cleaning solution best suited to Indian conditions. It is an alternative to modern Dry-cleaning using perc like solvents for manually washing dry-cleanable fabrics.

Automatic Dosing Systems* (Contract Base Fixing)



* Dosing Systems are sold, serviced and provided on long term contract, based on customer need and budget.

Add On Services

Laundry Audit

BCS Team periodically visit our customer's place, inspect the entire operational procedures and submit the suitable suggestions and reports like. **Water Test, pH Test, Whiteness Test.** etc. Our team also support in evaluating the financial efficiency, detergent & consumable consumption, energy utilization, man power optimization etc. provided you desire to do so.



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