

ecotropiC

SYSTEM



PROQUIMIA
www.proquimia.com

What does proquimia offer?

At Proquimia we manufacture and market chemical products providing integral solutions to contribute to the progress of industrial and institutional sectors as well as to our customers' welfare.

Our specialization and value for service makes us one of the best established companies in our country, leader in the hygiene and chemical treatments industry nationwide.

01.

Wide range of products and equipment for manual and automatic dosing

02.

Customized washing programs adapted to the customers' needs

03.

Textile laboratory for customer support and certified laboratory for water analysis

04.

Hygiene audits, advice and consulting



05.

Disinfection and cleaning solutions for all kind of laundry in any washing process

06.

Specialized training for the laundry staff

07.

Continuous advice to improve processes

08.

Environmental solutions: more sustainable products and packaging



Quality Certification ISO9001,
Environmental certification ISO14001
and Occupational Health and Safety
Administration OHSAS18001

Ecotropic System

Unblemished, clean, fresh smelling and soft clothes, that do not deteriorate or become grayish over time ...
this is the desired goal of any industrial and OLP laundry.

But the developments in recent years in this sector, characterized by increasingly stringent demands in terms of cost reduction (chemical, water and energy consumption ...), safety and sustainability , has made crucial the search for maximum efficiency processes by optimizing resources and minimizing the impact on the environment, all that in order to ensure the survival and future competitiveness of companies.

ECOTROPIC is Proquimia's new solution designed to meet the current needs of industrial laundries and OPL 's. It is an innovative system for washing all types of clothing, based on a single powder product for the washing and bleaching in one step, automatically dosed, providing the following benefits:

01. SAVINGS
for the laundry

02. EFFICIENCY
in the washing process

03. COMMITMENT
to safety

04. RESPECT
for the environment

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Ecotropic

Enzymatic, atomized detergent, highly concentrated and with long-lasting scent. Suitable for pre-wash and main wash of all type of laundry. Highly performing even at low temperatures and in very hard water conditions (up to 40°Hf). Includes an activated oxygen-based bleaching system able to operate at medium temperatures, being ideally suited to use as one single product for the washing and bleaching in one single operation. Phosphate free.

ECOTROPIC has been developed under the criteria of the European Eco-label, ensuring maximum protection of the environment throughout the life cycle of the product (sourcing the raw material and packaging, manufacture, application and final disposal) and utmost efficiency at the implementation.

Ecolabel Registration Number ES-CAT/039/001

Multimix

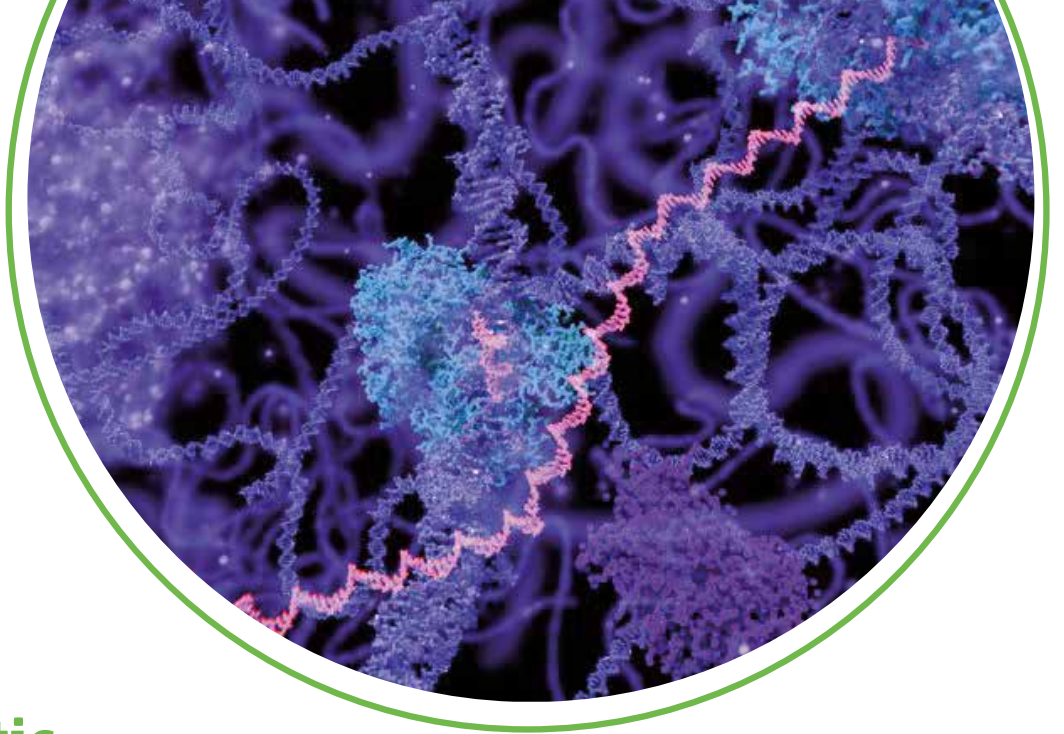
Compact automatic equipment for powder dosing. Allows accurate dosing of powder both in washing machines and continuous batch washers.

Based on dosing by a spindle, MULTIMIX performs a mixing of the product with water prior to the transport to washers and tunnels. The equipment avoids manipulation of chemicals and common errors in manual dosing, so providing greater accuracy and control of the washing process.



Dimensions: 1.200H x 400W x 600D mm
Weight: 80 kg
Capacity: 50 kg of product
Medium flow rate: 1 kg/minute
Maximum Dosage: : up to 6 washing machines
with a capacity of 10-100 kg or 2 washing tunnels

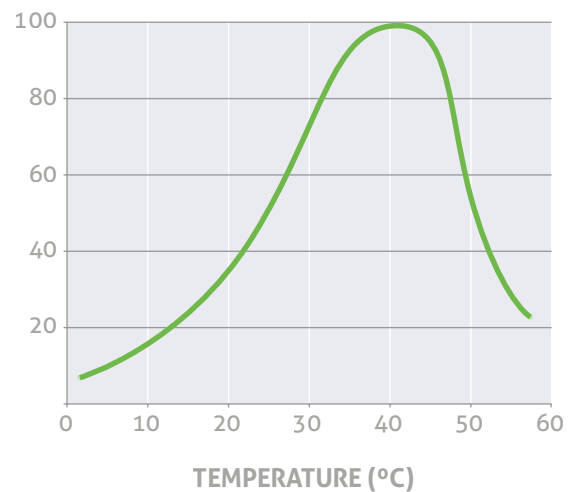
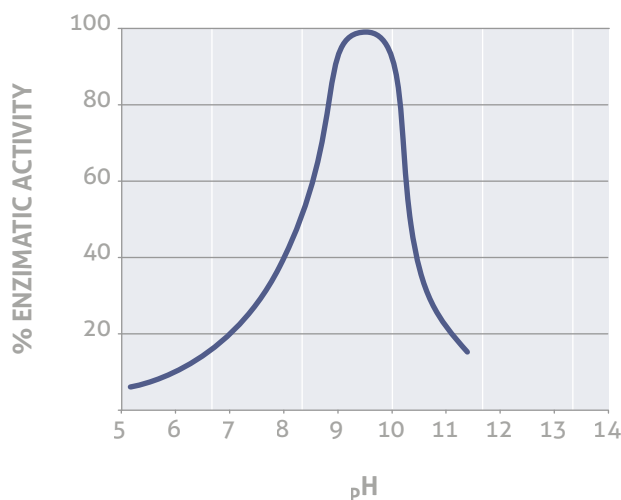
- > High efficiency and maximum productivity
- > Easy product loading (top hatch)
- > Equipped with wheels for easy transport
- > Alarm for process and product level
- > Statistical data
- > Three different security levels to access screen
- > Bridge breaker system
- > Minimum maintenance



Enzymatic technology

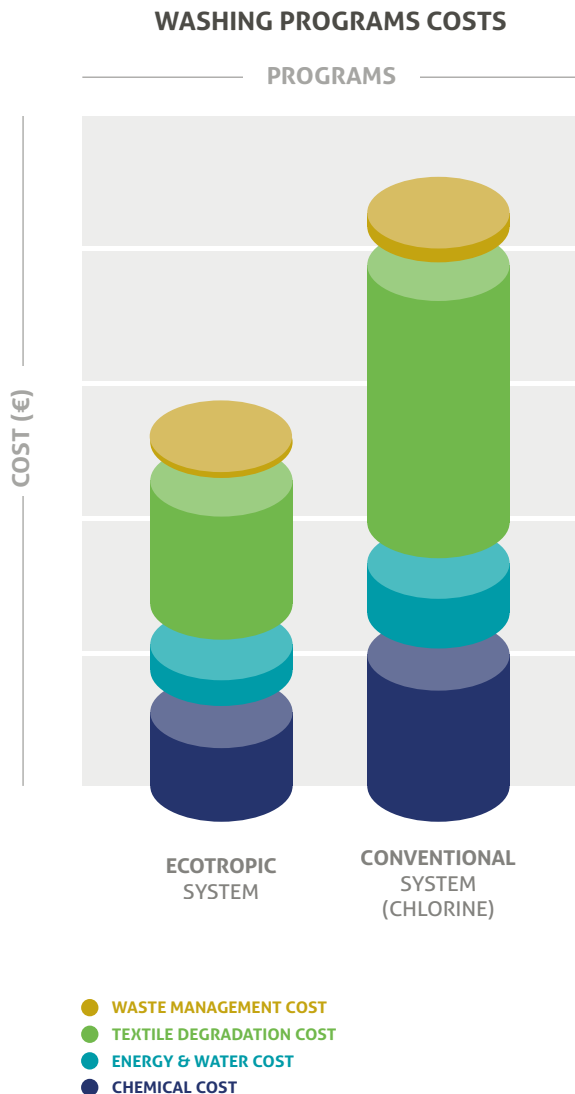
- > Increases washing efficiency (removes stains, reduces graying...)
- > Reduces process costs thanks to the catalyzing action of the enzymes which accelerate the washing process and so cut down energy consumption
- > Improves the hygiene level as the inhibiting action on the bacteria is increased
- > Allows working at low temperatures and reduces water consumption
- > Lower impact on the environment by the use of 100% biodegradable products. Phosphate free, adapted to low temperatures...
- > Increases safety for the users by using products with neutral pH
- > Extends life of the textiles and protects garments colors
- > Extends service life of the equipment thanks to the use of less aggressive products

Enzymatic activity in the detergents



> Advantages

01. SAVINGS for the laundries



45-50% DECREASE IN COSTS OF WASHING PROGRAMS

- Lower global cost of washing programs, reduced by 50 % thanks to the system properties: one product for the washing and bleaching in one single operation, high efficiency at low temperatures, more neutral use conditions...

40-50% DECREASE IN ENERGY AND WATER CONSUMPTION COSTS

- Highly performing detergent at low temperatures, allowing temperatures values between 30-50°C so achieving important energy savings.
- Number of rinses is reduced thanks to the low alkalinity of the system, so significantly reducing water consumption.

10-15% DECREASE IN WASHING TIME

- The decrease in the number of rinses along with the possibility to perform the process in one operation reduces total washing time down to 15%.

System based on ONE SINGLE PRODUCT

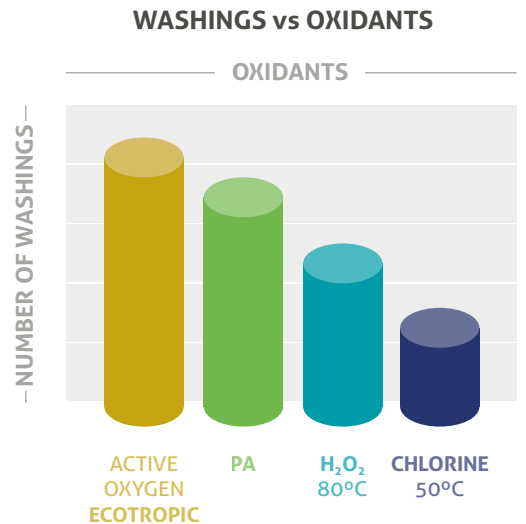
- Reduces waste management costs by 80-85 %
- Reduces transport and storage costs by 50 %
- Takes up a minimum space in the laundry

02. EFFICIENCY in the washing process

- > The system is based on the conception of one single product to cover most of the areas in the laundries, supplemented by a range of auxiliary products for the specific washing needs
- > Washing and oxidation in one operation
- > Easy control: no need to control pH content to get top use conditions
- > Phosphate free, outstripping the efficiency of detergents containing phosphates
- > Accurate dosing of the solid product by means of the MULTIMIX system, with advantages over conventional systems by avoiding inefficiencies
- > Excellent results on protein and starch stains
- > Highly performing detergent at low temperatures
- > Suitable for all type of garments (white and colored)

LONGER LIFE CYCLE of the garment

- > Maximum protection of textile fibers. Extends the life of the garments
 - Reduces fiber damage caused by chemical attack thanks to the absence of chlorine, low temperatures and reduced alkalinity in the washing process
 - At the same time, it also reduces damage caused by mechanical action as process time is shortened



03. COMMITMENT to safety

- > Minimum handling
 - Automatic dosing, avoids contact with the chemical product
 - Less loading weight
(Upon recommendation of the National Institute of Workplace Safety and Hygiene).
- > More neutral use conditions compared to conventional systems.
- > Powder product, prevents splashing
- > Avoids vapor emissions, achieving an atmosphere free of unpleasant smells

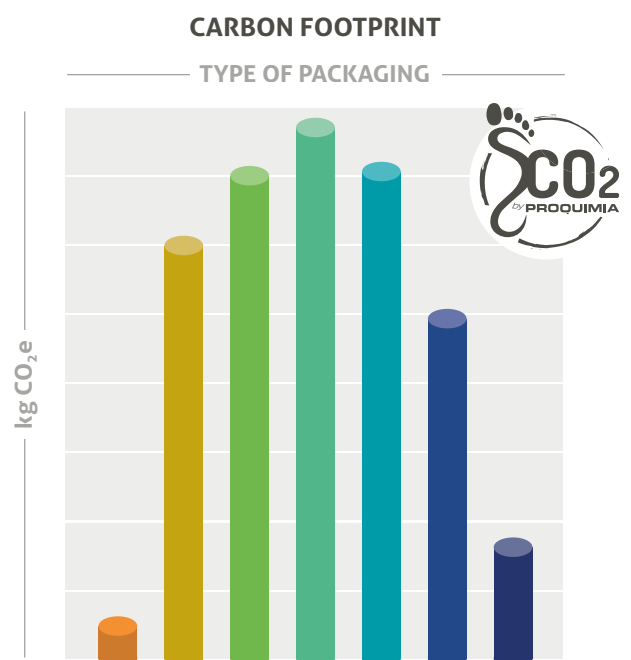


04. RESPECT for the environment

- > Optimizing resources
 - Energy > Washing process at low temperatures
 - Water > Reduces the number or rinses
- > 80-85% less plastic waste
- > 50% less CO₂ emissions during transport
- > Reduces carbon footprint
- > Less pH content in waste water discharges (low alkalinity processes)
- > Phosphate free system
- > Ecolabel registration



- SACK 15KG
- DRUM PE 4L
- DRUM PE 10L
- DRUM PE 20L
- DRUM PE 25KG
- BARREL PE 200L
- CONTAINER 1000L





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