



HARKE
HomeCare



FabricCare

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EURECO™
Sustainable Bleach and Disinfectant Booster

September 2023

EURECO™

In recent years Solvay's EURECO™ (based on PAP: 6-phthalimido peroxy hexanoic acid) has become increasingly popular in consumer and professional detergents markets and in personal care products. It is known for its effectiveness in removing stubborn stains (grass, tea, coffee, tomato, etc.), getting rid of malodour and in killing germs, bacteria and fungi on textiles and hard surfaces. While it is extremely effective, its eco-toxicological profile is very convenient. Gentle on skin and odorless, EURECO™ does not release Volatile Organic Chemicals (VOC) or Chlorine into the environment.

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EURECO™: A Sustainable Bleach Alternative

EURECO™ has an attractive sustainability profile. It works as a highly effective low temperature bleaching agent (e.g. 15 °C) – resulting in lower energy consumption – without the use of activators, preservatives, neutralizers or alkalis. The absence of alkalis allows operators in the professional sector to reduce water consumption in the rinsing stage, thereby reducing wastewater treatment needs as well.

Its compact formulation positively impacts packaging size, thus reducing production and transportation costs. Its use in washing processes generates several benefits with a substantial impact on the sustainability profile of the application and notably extending the lifespan of fibers and textiles throughout extended washes. And most importantly, EURECO™ turns into a readily biodegradable non-peroxidic chemical, yielding zero environmental threat.

EURECO™ LX5: A Bleach Booster for Laundry

5% PAP suspension with low viscosity. A versatile product to be used as ready-to-use additive for white and coloured fabrics in consumer and in I&I laundry applications.

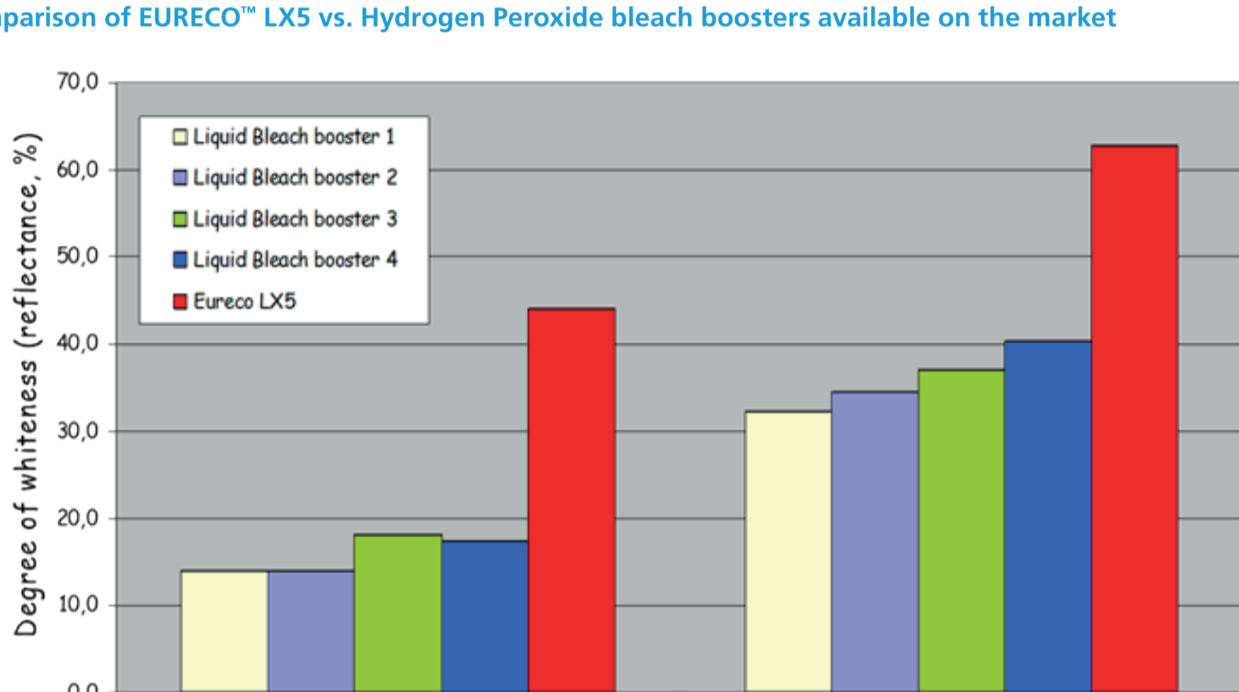
Main features

- Low temperature bleach, de-stainer, de-odorizer, biocide (PT2)

Uses

- Ready-to-use additive in consumer laundry
- Due to reduced viscosity, it offers ease of dosing in professional laundry

Comparison of EURECO™ LX5 vs. Hydrogen Peroxide bleach boosters available on the market



EURECO™ LX17: A Low Temperature Bleach for I&I Laundry

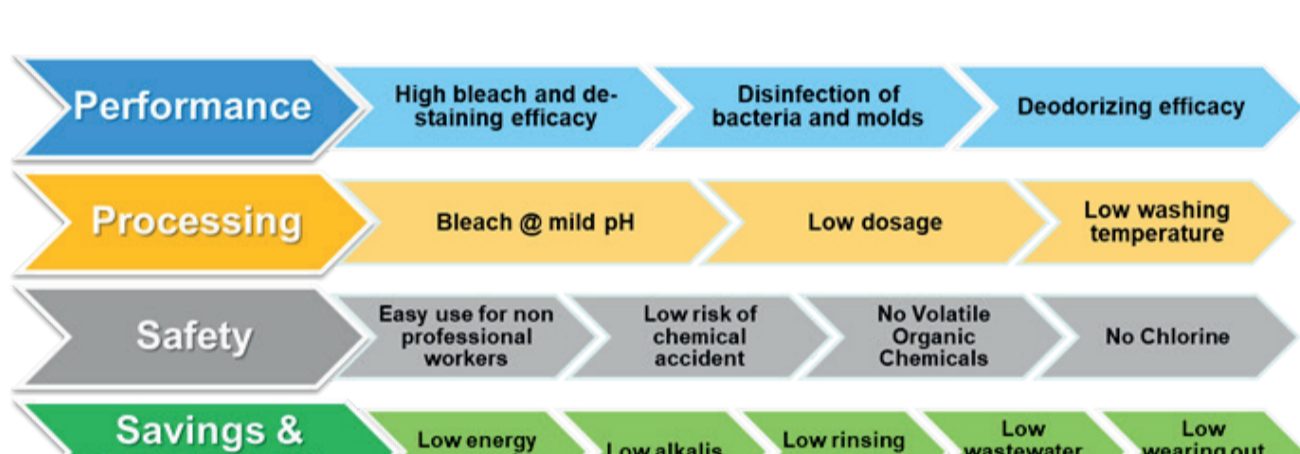
17% PAP suspension with medium viscosity. A versatile product to be used as ready-to-use additive for white and coloured fabrics in I&I laundry applications.

Main features

- Low temperature bleach, de-stainer, de-odorizer, biocide (PT2)

Uses

- Ready-to-use additive in I&I laundry
- It allows reducing the washing temperature down to 30 - 40 °C while increasing the life span of textiles
- Biocide for professional uses in I&I. Biocide and Yeasticide activity according to EN 16616 when used at 40 °C, 15 minutes contact times



EURECO™ LX Grades: CLP Label Classification – Ecolabel Products

Hazard symbol:

Hazard statement: H319

Below 1% PAP no labelling is necessary!

PAP is listed in Ecolabel DID.

EURECO™ LX is a range of liquid grades made of an aqueous suspension of micronized PAP crystals. The suspension is physically and chemically stabilized for long-lasting shelf life. These grades are almost not smelling, not dangerous for the skin and not considered oxidizers under CLP/GHS regulation (EC) 1272/2008. EURECO™ LX grades perform with an acute impact and then turns into a readily biodegradable non-peroxidic chemical, of no threat to the environment.

More diluted LX grades can be easily obtained from EURECO™ LX17 through a specific procedure. Available documentation from Solvay.

EURECO™ RP103: A Granular Grade of PAP for Powder Detergents

EURECO™ RP103 is a new granular grade of PAP developed for use in powder detergents to bleach, disinfect and deodorize at any temperature and in mild pH washing conditions for partial or total swap of Percarbonate/TAED Switch to sustainable washing.

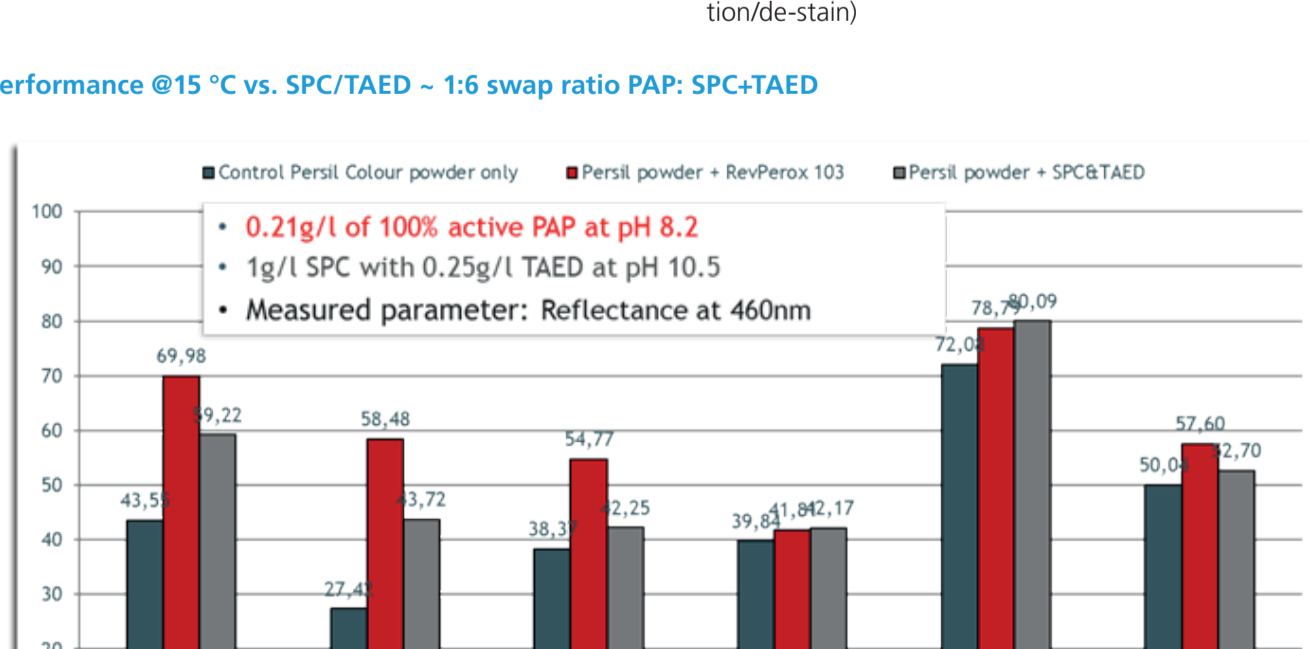
Due to its high efficiency and compactness, EURECO™ RP103 can improve the overall sustainability of detergents:

- Reduction of up to 1/3 in the use of raw materials (no inorganic bleaches, activators and alkalis)
- Reduction of packing materials (smaller units)
- Reduction of transport and warehousing cost
- Reduction of the washing temperature

Uses

- Laundry powder detergents, tablets, PVOH unit doses
- Detergents for washer (features: cleaning/disinfection/deodorization)
- Detergents for sportswear (features: bad smell removal)
- Laundry boosting additives (features: bleach, de-stain, deodorization, disinfection(PT2))
- Specific ADW compact powders and small tablets (features: removal of bad odours/bacterial load reduction/de-stain)

Performance @15 °C vs. SPC/TAED ~ 1:6 swap ratio PAP: SPC+TAED



Conclusion

- Versatile and safe technology for a sustainable approach to bleaching
- Mild washing conditions of temperature and pH
- Ready biodegradability
- Toxicological profile to meet strict expectations
- New technical opportunities to renew the products portfolio with a new active



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Imprint

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