

A real sense to cleaning

Unique bio-based surfactants for cleaning product applications

Arkema has developed the SENSIO[™] range targeting Home and Professional care applications to improve the cleaning performance while offering a unique sustainable profile and enhanced user experience.

The range provides multiple benefits such as degreasing, soil removal and low foaming to meet today's formulator and consumer needs while limiting the impact on the environment.

FORMULATING WITH SENSIO[™] SOLUTIONS

EASY TO FORMULATE

- Liquid - Water-like viscosity
- Compatible with all surfactant categories
- Compatible with highly compacted detergents

SUSTAINABLE

- Biodegradable in both aerobic and anaerobic conditions
- Can be used in EU ECOLABEL detergents
- ECOCERTIFIED

EFFICIENT

- Degreasing power
- Soil removal booster
- Foaming profile

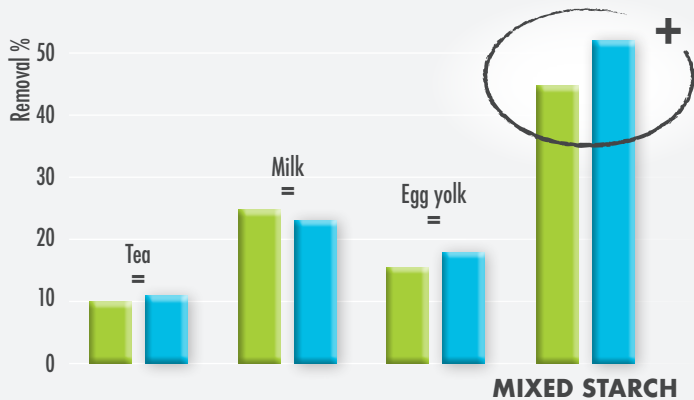
PRODUCT RANGE	Property	Applications	Chemical description	Aspect (25°C)	HLB
SENSIO[™] D (*)	Degreaser Soil removal booster	- Hard surface cleaning - Laundry - Automatic Dishwash - Manual Dishwash - Vehicle cleaning - CIP	Fatty alcohol ethoxylate	Liquid	10.8
SENSIO[™] SX (*)	Solubiliser	- Hard surface cleaning - Laundry - Automatic Dishwash - Manual Dishwash - Vehicle cleaning - CIP	Fatty alcohol ethoxylate	Liquid	13.4
SENSIO[™] SN (*)					14.1
SENSIO[™] ST (*)					14.6
SENSIO[™] L (**)	Low foaming	- Automatic Dishwash - Metal cleaning - Carpet cleaning - Vehicle cleaning - CIP	Fatty alcohol alkoxyate	Liquid	-

(*) Can be used in EU ECOLABEL detergents and ECOCERTIFIED.

(**) Pending ECOCERT and EU ECOLABEL evaluation.



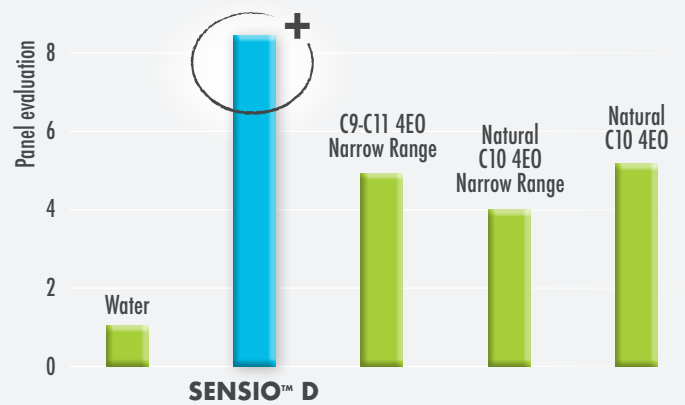
Powerful soil removal with reduced dosage



■ ADW gel with typical surfactant system
■ ADW gel with SENSIO™ D - Surfactant dosage **reduced by 20%**

Soil removal - ADW gel, 20mL, 45°C, 20°dH, IKW protocol.

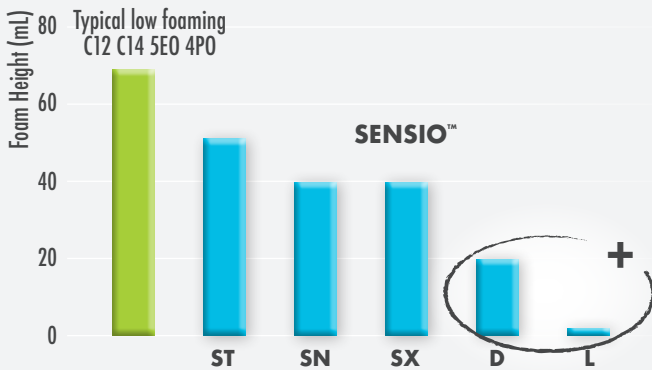
Effective release of greasy soil



Degreasing power - TQC abrasimeter, CFT DM40
1% active in typical hard surface cleaner - 100 scrubs, load 160g
Results: 0 (no removal) to 10 (totally cleaned).

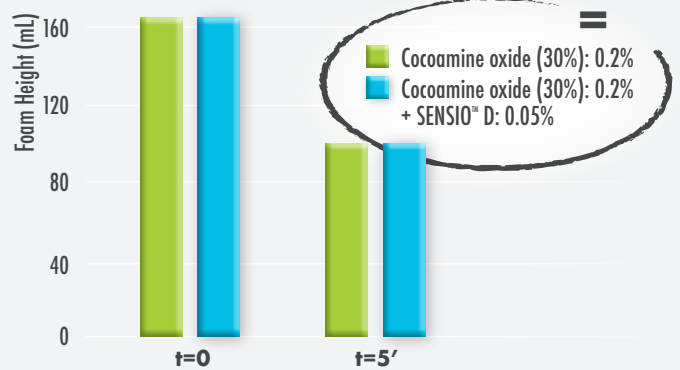
Unique foaming profile

Extremely low foaming generation



Foaming - Ross-Miles inspired, 25°C, 2g/L in NaOH (2g/L).

Foaming preservation



Foaming - Ross Miles inspired, 25°C, 2g/L in NaOH (2g/L).

OUR EXPERTISE AT YOUR SERVICE

Our technical and sales teams are at your disposal to guide and advise you about the choice and implementation of our product ranges within your process.

> Contact us at hpc@arkema.com to discuss how SENSIO™ range can take your detergent to the next level.

A designer of materials and innovative solutions, Arkema shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €8.8 billion in 2018, we employ approximately 20,000 people worldwide and operate in close to 50 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. www.arkema.com
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