

Berol[®] SurfBoost AD15

The sustainable surfactant booster.

A novel, aerobically and anaerobically biodegradable co-surfactant, Berol SurfBoost AD15 provides active contribution to sustainable cleaning.

Boost cleaning performance

Berol SurfBoost AD15 is a moderate foaming alkyl amide ethoxylate. Its chemical structure works in synergy with alkyl alkoxyated surfactants boosting degreasing and emulsification performance, even in high dilution, for instance in All Purpose Cleaners (APC) or kitchen cleaners.

Environmental benefits

Berol SurfBoost AD15 is a non-classified co-surfactant which has the primary benefit to be readily biodegradable, both aerobically and anaerobically (following the OECD 301 B and OECD 311 respectively) according to CLP and DPD. Berol SurfBoost AD15 has no hazard classification and is produced with Roundtable on Sustainable Palm Oil (RSPO) certified raw materials, which makes the product compliant with EU Ecolabel and Nordic Ecolabel requirements.

Household and industrial cleaning

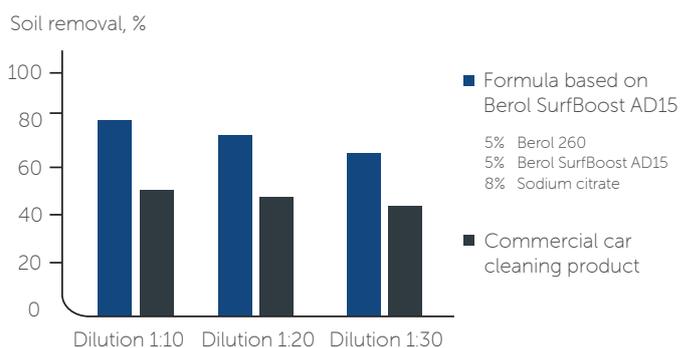
Berol SurfBoost AD15 has been designed particularly for household cleaning applications where you need to boost cleaning performance without the use of volatile solvents and where you need to meet Eco certifications, e.g.:

- manual dishwashing
- kitchen cleaners
- all purpose cleaners
- glass cleaners
- floor cleaners
- toilet cleaners

Berol SurfBoost AD15 can also be used in industrial cleaning applications such as car cleaners and general hard surface cleaning, when more environmentally friendly solutions are needed.

Comparative degreasing - industrial soil

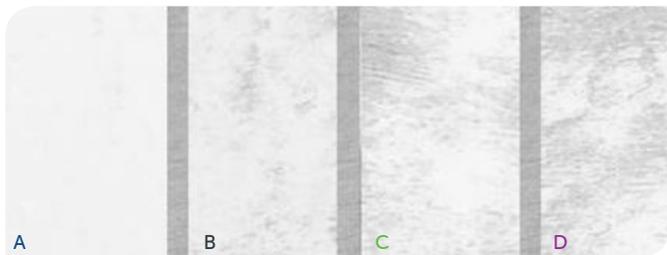
Berol SurfBoost AD15 has a cleaning boosting action on tough industrial soil (used engine diesel soil) at almost neutral pH, even at high dilution.



Comparative degreasing – kitchen soil

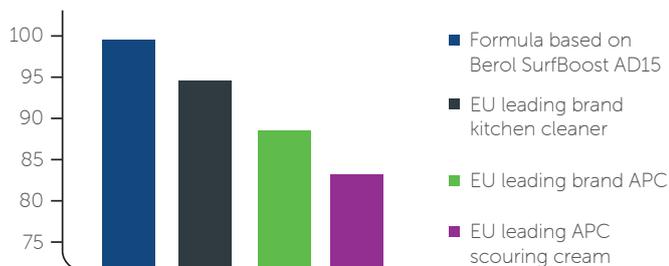
Degreasing with kitchen soil on ceramic tiles shows the performance of the different compositions in a non-mechanical cleaning test. The cleaning performance of the formulation boosted by Berol SurfBoost AD15 is higher than all the other commercial compositions with parity active matter and pH.





Tiles after cleaning with the test products in the order described in the table (right).
Soil: mixture of kitchen oil and particulate soil

Soil removal, %



Test product	Composition	pH	Active content, %	Soil removal, %
A. Formula based on Berol SurfBoost AD15	2% Berol SurfBoost AD15 2% Berol 260 0.5% Dissolvine® GL-47-S 95.5% Water	>11	3.55	99.6
B. EU leading brand kitchen cleaner	<5% Nonionic	>11	<5	94.4
C. EU leading brand APC	<5% Nonionic and anionic limonene	>11	>5	88.5
D. EU leading APC scouring cream	<5% Nonionic and anionic	approx. 10	>5	83.3

Contact us directly for detailed product information and sample request
 website | nouryon.com/markets/cleaning
 email | cleaning@nouryon.com

Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 7,900 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

All information concerning our products and/or all suggestions for handling and use contained herein (including formulation and toxicity information) are offered in good faith and are believed to be reliable. However, Nouryon makes no warranty express or implied (i) as to the accuracy or sufficiency of such information and/or suggestions, (ii) as to any product's merchantability or fitness for a particular use or (iii) that any suggested use (including use in any formulation) will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. The user must determine for itself by preliminary tests or otherwise the suitability of any product and of any information contained herein (including but not limited to formulation and toxicity information) for the user's purpose. The safety of any formulations described herein has not been established. The suitability and safety of a formulation should be confirmed in all respects by the user prior to use. The information contained herein supersedes all previously issued bulletins on the subject matter covered.

Products mentioned are trademarks of Nouryon and registered in many countries.

nouryon.com