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 alkoxylated 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.
About Nouryon

We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

For more information visit surfacechemistry.nouryon.com

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

### Test product composition

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

Contact us directly for detailed product information and sample request at cleaning@nouryon.com

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