INTEROX® SG
Safe and efficient decontamination for pharmaceuticals
Solvay’s INTEROX® SG (Sterile Grade)

Undisputed quality
INTEROX® SG grades offer the highest possible quality on the market with a residual value after evaporation below 2ppm - well below the residual value recommended by major isolator producers (10ppm) - preventing residue build-up in pipes that can cause machine clog or malfunction.

Safety you can trust
Solvay’s hydrogen peroxide is also one of the safest and most efficient disinfectants and bio-decontaminants used in the healthcare industry.
Hydrogen peroxide alternatives such as formaldehyde, chlorine dioxide or ethylene oxide can leave behind toxic residue and are much less compatible with a wide variety of materials.

In the pharma industry - where humans and animals are the end users - product quality must be irreproachable. Given these stakes, we recognize the importance of complying with Good Manufacturing Practices (GMP) throughout our entire supply chain.

A trusted global presence
Our expansive global footprint - with manufacturing facilities in the Netherlands, the United States and Thailand - guarantees the delivery and security of supply of INTEROX® SG grades all over the globe. Furthermore, our quality management system meets proper regulation requirements, minimizes risk, enhances safety and prioritizes the need for traceability.

Solvay has applied for a Union Authorization under the EU BPR (Biocidal Product Regulation) for the use of INTEROX® SG in product-type 2. INTEROX® SG has national approvals for several European countries*.

* Please contact your local Solvay representative for details.
Case Study:
How Solvay INTEROX® Sterile Grade helped reduce maintenance and speed up production at a major German oncology company

CUSTOMER CHALLENGE:
A major oncology company, based in Germany, experienced issues with one of their flexible multi-product isolator line. The line is composed of five independent isolator segments with an independent air handling unit and independent H2O2 evaporation units.

The hydrogen peroxide used by the pharmaceutical company in their first trials was leaving sticky residues on the pipes due to the high amount of stabilizers in the hydrogen peroxide. The isolators were therefore hard to clean, and the overall piping was becoming more difficult to re-assemble.

The company had to perform regular and deep manual cleaning of the evaporation units and of the piping to keep the production running smoothly.

SOLVAY’S SOLUTION AND APPROACH:
- Working in close collaboration with the isolator OEM, Solvay proposed Interox® SG 35 PLUS, having the lowest amount of stabilizers and non volatile matter on the market. Solvay engaged in extensive development activities and field trials to demonstrate the efficiency of use of Solvay hydrogen peroxide in the decontamination process without residue issues.

- With Solvay hydrogen peroxide, the aeration time to meet the concentration of <0.5ppm was reduced by 50 min and the residues left on the pipes were reduced down to acceptable levels, easy to clean afterwards.

SOLVAY’S SOLUTION AND APPROACH:

<table>
<thead>
<tr>
<th>TECHNICAL SPECIFITIES:</th>
<th>Solvay Interox SG35 PLUS</th>
<th>Previous supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>35% H2O2</td>
<td>35% H2O2</td>
</tr>
<tr>
<td>Stabilizers</td>
<td>≤ 1 mg/kg</td>
<td>250 mg/kg</td>
</tr>
<tr>
<td>Non volatile matter/ash content</td>
<td>≤ 2 mg/kg</td>
<td>500 mg/kg</td>
</tr>
<tr>
<td>Aeration time to &lt; 0.5ppm H2O2 concentration</td>
<td>50 min reduction with Solvay Interox SG35 PLUS</td>
<td></td>
</tr>
</tbody>
</table>
SOLVAY’S GLOBAL PRODUCT OFFERING

Europe - Middle East - Africa

EMEA.STERILEGRADE@SOLVAY.COM

Solvay Peroxides

PEROXIDES HEALTHCARE SOLUTIONS

APAC.STERILEGRADE@SOLVAY.COM

North America

Specifications | Pack size (L) | Shelf Life (Months) | Registration
--- | --- | --- | ---
SG 35 | 2.5 - 5.22 | 12 | BPR* Union authorization
SG 50 | 2.5 - 5.22 | 12 | Not Available
SG 35+ | 1 - 2.5 - 5.22 | 12 | Not available
SG 50+ | 1 - 2.5 - 5.22 | 12 | Not available

Specifications | Pack size (L) | Shelf Life (Months) | Registration
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SG 35 | 1 - 2.5 - 3.78 | 12 | Applying for EPA Registration
SG 50 | 2.5 | 12 | Registration

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