

# WATER SOFTENING ENERGIZED BY

**LANXESS**  
Energizing Chemistry

**X Lewatit®**

## LEWATIT® S 1567

A special ion exchange resin for the efficient softening of water

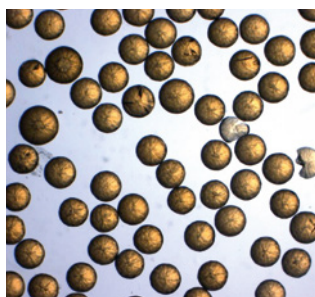
**Lewatit® S 1567** is a monodisperse cation exchanger made using a solvent-free production process. It has been developed for the softening of both potable water\* in household installations (e.g., softening units equipped with cartridges) and raw water used in industrial plants.

### Excellent stability

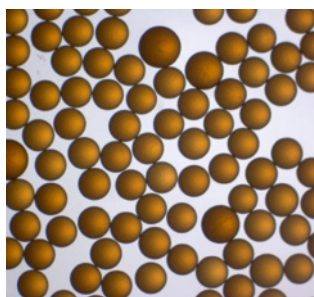
**Lewatit® S 1567** is very economical due to the product's durability and long life. The monodisperse ion exchange matrix is very stable both chemically and mechanically, and its uniformity ensures a homogenous flow through the filter. This minimizes rinse water requirements and maximizes utilization of the regenerant.

### Low content of small particles

Heterodisperse ion exchangers often contain a volume of fines, which may cause system problems. Possible effects are higher pressure loss, blockage of resin strainers, or a reduction in resin volume due to loss of fines from the system. As **Lewatit® S 1567** is a monodisperse resin, the content of such fines is minimal.

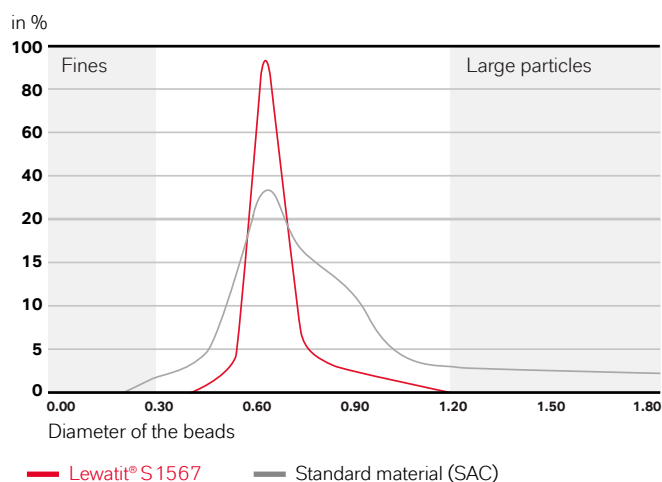


Stability of a competitive product



Optimal stability of the monodisperse **Lewatit® S 1567**

### Comparing the bead size distribution of **Lewatit® S 1567** with that of a competitive product



\* Relevant certificates are available on demand.

# OPTIMAL ION EXCHANGE RESIN FOR WATER SOFTENING



## Complete disinfection

Modern potable water softening plants are automatically treated during regeneration with a solution of chlorinated sodium chloride. This acts to kill germs, bacteria, or other microorganisms. In some cases, and depending on its structure, the resin is able to cause a considerable loss of disinfectant (e.g., free chlorine). The consequence would be an incomplete removal of germs and microorganisms.

Due to our latest non-solvent technology in the production process of **Lewatit® S 1567** we achieve an outstanding product quality with a very high stability as well as a bead surface with minimized gaps, unevenness and roughness compared to other softening resins. This leads to a reduced surface fouling through bacteria. Because of these characteristics the use of free chlorine for disinfection shows a higher efficiency. Therefore, the product is specifically designed and perfectly suitable for the softening of water with disinfection units.

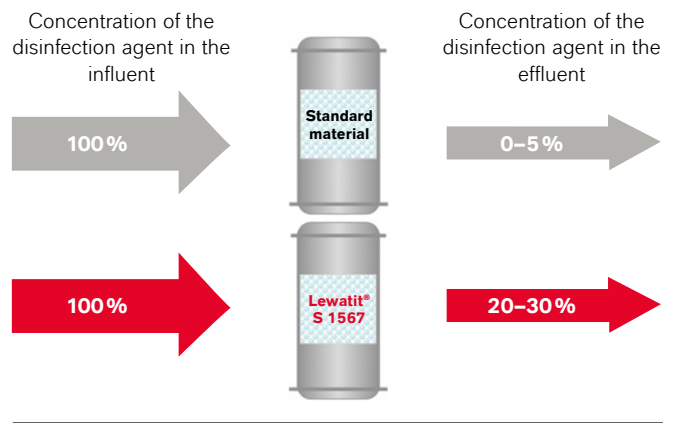
## Optimal utilization of the total capacity (> 2.0 eq/l)

Monodisperse resins enable rapid kinetics and distinguish themselves with high operating capacities and minimal leakage.

## ADVANTAGES AT A GLANCE

- Solvent-free sulfonation
- Simple and improved disinfection
- Monodispersity
- Excellent chemical and mechanical stabilities
- Very low content of fines
- High capacity

## Captive use of a disinfecting agent for the ion exchange resin



## Contact

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We are happy to support your business. Please contact us for additional information: visit [www.lpt.lanxess.com](http://www.lpt.lanxess.com)



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