

## Patented silica intended for sensitive teeth

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- **SPHERILEX® 148: The perfect partner for sensitive toothpaste formulations**

**Specialized Press Contact**  
**Susanne Diehl**  
Communication -Silica  
Phone +49 6181 59-13347  
susanne.sd.diehl@evonik.com

Evonik presents their newest silica technology SPHERILEX® 148. To ease the life of an increasingly large percentage of the world's population experiencing gum and teeth sensitivity, Business Line Silica created a new grade of precipitated silica designed to benefit sensitive toothpaste formulations.

The flow of fluids through open dentin tubules allows external stimuli, e.g. cold, acid, etc., to reach the nerves in the tooth pulp tissue which can trigger a sensation of pain. With its matching round shape and precisely controlled smaller particle size, SPHERILEX® 148 has been shown to have an affinity to occlude dentin tubules. This naturally derived mineral product enhances Evonik's existing portfolio of ZEODENT® and SPHERILEX® grades.

All silica oral care products are produced under the highest safety and quality standards. SPHERILEX® 148 meets USP-NF 'Dental-Type Silica' and EP 'Silica, dental type' monographs, and is listed as a "derived mineral ingredient" in the Annex D of ISO 16128-1 with the INCI name "Hydrated Silica". All Oral Care SPHERILEX® grades conform to COSMOS as a non-organic raw material and are certified Pareve, Kosher, Kosher for Passover, and Halal.

Evonik is a leading global manufacturer of silica. In addition to the fumed silica AEROSIL® and the precipitated silica ULTRASIL®, SIPERNAT®, ZEODENT® and SPHERILEX®, Evonik also produces silica based matting agents under the brand name ACEMATT® and other fumed metal oxides under the brand AEROXIDE®. Overall, Evonik has a global production capacity for all silica based products of about 1 million metric tons/year.

### Company information

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-oriented innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the

**Evonik Resource Efficiency GmbH**  
Rellinghauser Straße 1-11  
45128 Essen  
Phone +49 201 177-01  
Fax +49 201 177-3475  
www.evonik.com

**Supervisory Board**  
Dr. Harald Schwager, Chairman

**Executive Board**  
Dr. Claus Rettig, Chairman  
Andreas Fischer,  
Simone Hildmann,  
Alexandra Schwarz

Registered Office: Essen  
Register Court: Essen Local Court  
Commercial Registry B 25783  
VAT ID no. DE 815528487

value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world. In fiscal 2018, the enterprise with more than 32,000 employees generated sales of €13.3 billion and an operating profit (adjusted EBITDA) of €2.15 billion from continuing operations.

**About Resource Efficiency**

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.5 billion in 2018 from continuing operations.

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