

# SILICA IS SAFE AND IMPROVES YOUR DAILY LIFE

The infographic features a central illustration of a modern house with solar panels on the roof and a wind turbine nearby. A cutaway view of the house shows a family in different rooms: a baby in a crib, a person in a bathroom, and a person in a kitchen. A car is parked in the driveway. Surrounding this central image are ten circular callouts, each with an icon and text describing a specific application of silica.

- Super-strong and durable adhesives and sealants with excellent processing properties for green energy applications such as solar modules and rotor blades for wind turbines**
- Toothpaste with smooth consistency, nature-identical cleaning agents for white teeth, and effective anti-cavity ingredients**
- Baby bottles' silicone teats remain transparent and elastic, heat-resistant and tear-proof – therefore safer for babies**
- Fire extinguishers work reliably because the fine powder inside does not cake**
- Highly energy-efficient refrigerators with more storage space, thanks to ultra-flat vacuum insulation panels**
- Electric vehicle starter batteries with increased performance and durability**
- Free-flowing spices that do not clump in the shaker**
- Easy-to-use, low-dose detergents that do not contain microplastics. Powders do not cake, liquids are convenient to dispense, pods do not stick together**
- Highly durable tires with reduced rolling resistance save fuel, or extend the range of electric vehicles. Improved wet grip increases driving safety**

Evonik's synthetic amorphous silica (SAS) is a highly innovative substance that improves countless consumer goods and high-tech products. These are just a few examples. Sand is the starting point for SAS production. If Evonik's silica were released into the environment, it would not be distinguishable from naturally occurring silica in minerals or plants. It would re-integrate into the natural geological cycle of silicon dioxide (SiO<sub>2</sub>).

**MORE INFORMATION**



\* Evonik – your silica specialist



\* Silica is safe



\* FAQ: Silica and STOT RE 1



**Disclaimer**

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

**AEROSIL®, SIPERNAT®, SPHERILEX®, ULTRASIL®, ZEODENT®, and ZEOFREE®** are registered trademarks of Evonik Industries or its subsidiaries.

**EVONIK OPERATIONS GMBH**

Silica business line  
 Rodenbacher Chaussee 4  
 63457 Hanau  
 Germany

Phone +49 6181 59-13360  
[jean-louis.philippe@evonik.com](mailto:jean-louis.philippe@evonik.com)  
[www.silica-specialist.com](http://www.silica-specialist.com)

FS-71-EN-01-2024/03-PW

**The Silica specialists at Evonik – Inside, to get it right.**

