

Siridion® – more than a brand, a commitment.

The chlorosilane and monosilane brand



Siridion®

More than a brand, a commitment.

Siridion® stands for the highest quality and satisfied customers for three reasons: purity, cooperation, reliability.



Purity

Siridion® chlorosilanes and monosilane are used in the photovoltaics, fiber optics, semiconductor and flat panel display industries – pioneering application fields where quality and performance of the end-product depend on the absolute purity of its key component materials. And nothing beats the purity backed by Evonik's 60 years of experience in research, development and manufacturing.

Cooperation

Because our customers use the most advanced processes and technologies, we appreciate how mission-critical both the quality and the supply of raw materials are to their bottom line – and the importance of a smoothly integrated manufacturing flow. The Evonik approach is to mesh gears with the customer's organization and processes so that our expertise and infrastructure add value at every stage

of the supply and logistics chain, all the way to the actual application area for Siridion® products.

Close cooperation with Evonik accelerates development, optimizes manufacturing and supports the customer's core competencies.



Reliability

To our customers, reliable product quality and on-time delivery are essential. The challenge for the supplier is to deliver the same high quality the first time every time – and in the required quantities. This kind of consistency can only be achieved through experience in manufacturing and proven production capabilities, and only Evonik offers both. Evonik ensures maximum availability and planning certainty

with manufacturing sites around the globe for direct delivery, or around the corner for integrated operations.

Zero-defect production and uncompromising analytics are meaningless without superior logistics. That's what gives our customers the planning certainty they need.

Where Siridion® makes all the difference

Although Siridion® products can also be used, for instance, as precursors for the production of fumed silica (AEROSIL®) and functional silanes (Protectosil®, Dynasytan®) as well as for an array of processes in various industries such as chlorinating reactions, our main customers come from four cutting-edge industries:



Photovoltaics

Siridion® ultrapure chlorosilanes and monosilane are used by solar technology manufacturers around the globe as a key raw material for their silicon-based solar cells. The higher the purity of the

chlorosilanes used to manufacture solar-grade silicon, the higher the efficiency of the solar cells in converting sunlight into energy.

Fiber optics

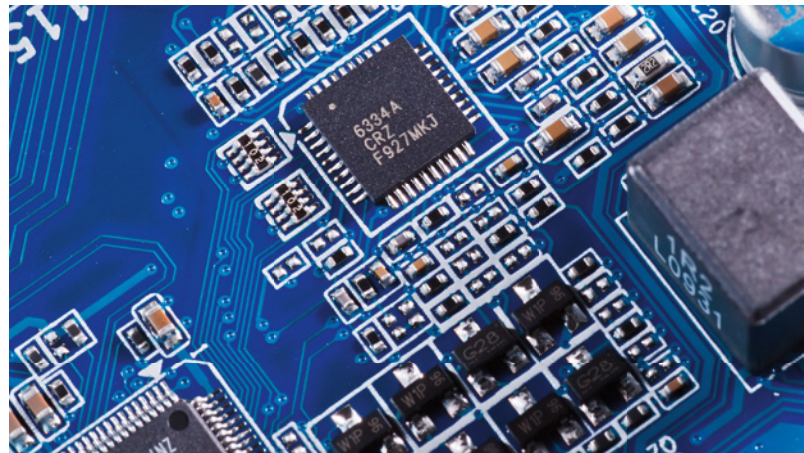
Today, Siridion® is the world's leading chlorosilane brand in fiber optics manufacturing. As the partner of choice to this demanding industry, Evonik stands behind

Siridion® products of unrivalled purity with dedicated chlorosilane manufacturing facilities at various sites worldwide to ensure consistent quality and availability.

Semiconductors

Both the outstanding product quality and the supply reliability of Siridion® chlorosilanes and monosilane make it the preferred brand for the semiconductor industry. Here, our ultrapure precursors enable

the deposition of functional layers on the wafer surface in high yields and with fast deposition rates to create functional structures (e.g. transistors and capacitors).



Flat panel displays

Siridion® monosilane is one of the key raw materials for the production of TFT-LCDs* and AMOLED** displays. Here, it is used as an ultrapure precursor for depositing functional layers on the glass substrate to form the thin film containing the transistors that switch each one of the display's pixels on and off.

*Thin Film Transistor Liquid Crystal Display
**Active Matrix Organic Light Emitting Diode

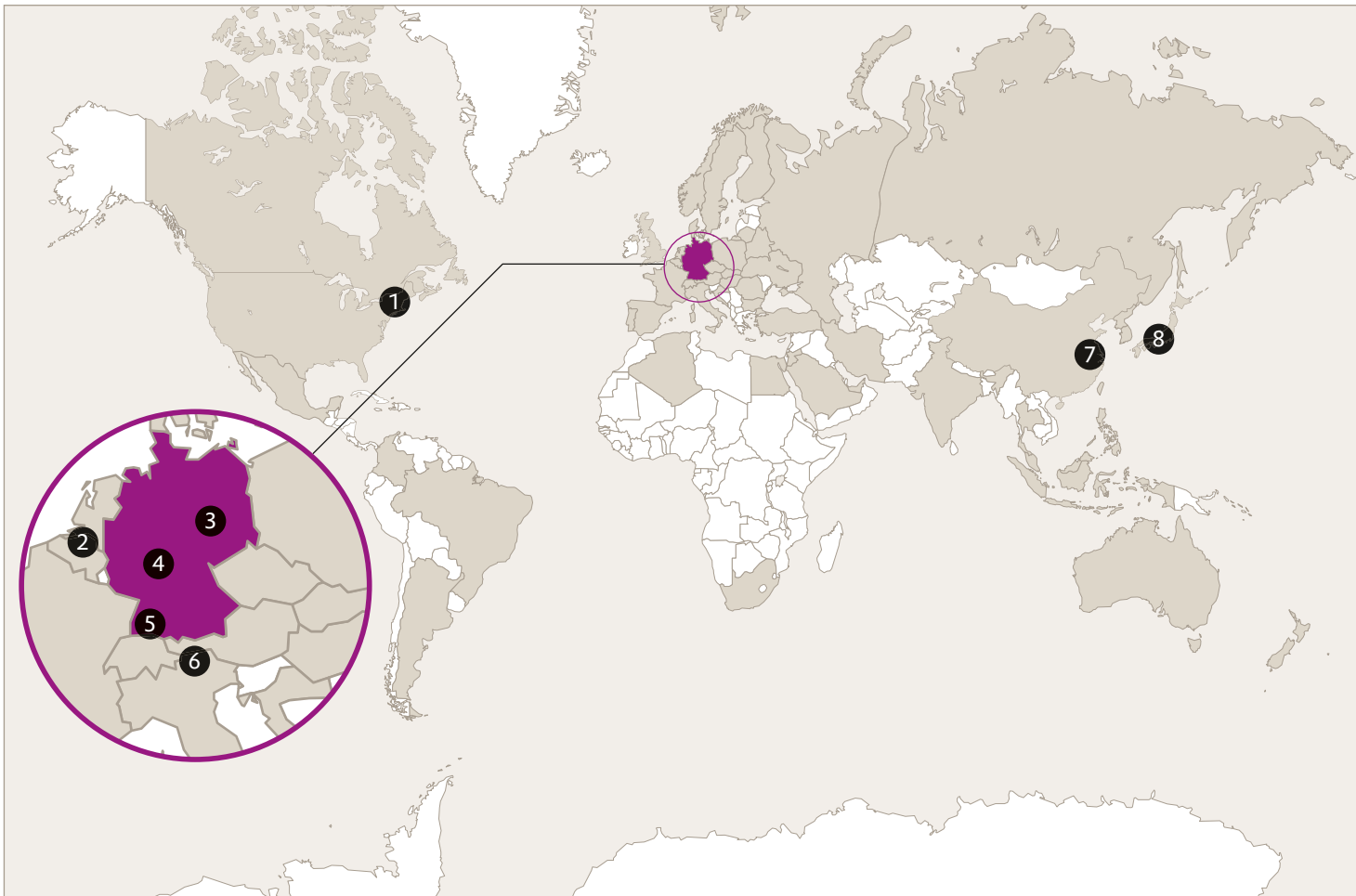


Siridion® – a global brand backed by a global leader








Evonik provides Siridion® products and services to its customers from a global network of production sites, R&D facilities, and representative offices. Our customers benefit directly from outstanding

logistics combined with intelligent inventory and delivery management systems to optimize cost structures, maximize efficiencies, and enable our customers to focus on their strengths.



- 1  Parsippany
- 2  Antwerp
- 3  Bitterfeld
- 4  Hanau
- 5    Rheinfelden
- 6  Sinigo
- 7   Shanghai
- 8   Yokkaichi

-  Global Headquarters
-  Main Regional Office
-  Technical Center
-  Chlorosilane Production
-  Monosilane Production

**Europe/Middle East/
Africa/Latin America**

Evonik Industries AG

Inorganic Materials/
Business Line Advanced Silanes
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany

North America

Evonik Degussa Corporation

Inorganic Materials/
Business Line Advanced Silanes
379 Interpace Parkway
Parsippany, NJ 07054-0677
USA

AsiaPacific

Evonik Degussa (China) Co. Ltd.

Inorganic Materials/Business Line
Advanced Silanes
55 Chundong Road
Xinzhuang Industry Park
Shanghai 201108
P.R. China

Contact

Dr. Thomas Knothe
VP Marketing & Global Account
Management/Advanced Silanes
PHONE +49 6181 59-13378
FAX +49 6181 59-713378
thomas.knothe@evonik.com

Contact

Ed McGettigan
Vice President & Business Director
Advanced Silanes North America
PHONE +1 973 541-8518
FAX +1 973 541-8503
ed.mcgettigan@evonik.com

Contact

Dr. Harald Klein
Vice President
Advanced Silanes Asia-Pacific
PHONE +86 21 61191-056
FAX +86 21 61191-075
harald.klein@evonik.com

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice. EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to 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.

Siridion® is a registered trademark of Evonik Degussa GmbH.



EVONIK
INDUSTRIES

Evonik Industries AG

Inorganic Materials/
Business Line Advanced Silanes
Rodenbacher Chaussee 4
63457 Hanau-Wolfgang
Germany

PHONE +49 6181 59-13378
FAX +49 6181 59-713378

www.siridion.com
www.evonik.com

Evonik. Power to create.