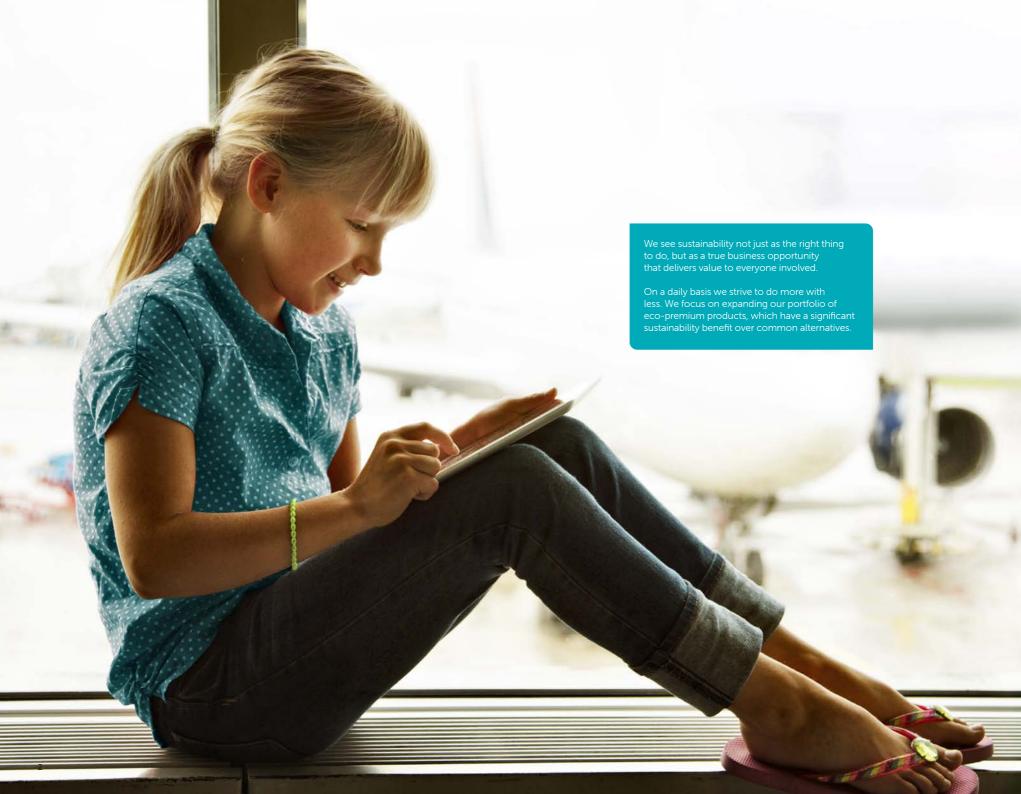


A natural part of everyday life

Aqueous dispersions of colloidal silica





A world full of possibilities

Our commitment – to do more with less

Our future as a people, and as a company, hinges on our ability to innovate. We must not only continue to create value using fewer resources, we also need to maximize our use of renewable energy and materials. We are determined to turn what is an obvious challenge into a clear opportunity and bring more value to our customers and society in general.

We're on a good path with Levasil Colloidal Silica. A product of two natural ingredients—sand and water—colloidal silica enhances and improves key functionalities of other products and manufacturing processes. As a result, our customers' products demonstrate superior performance ultimately producing sustainability in their business as well as in our environment.

We create everyday essentials

We help make the ordinary extraordinary

Whether you're polishing ultra-flat surfaces for semiconductors or a concrete floor in a warehouse, building large structures or intricate molds; or coating and protecting various surfaces, our Levasil Colloidal Silica products help improve your efficiency, sustainability and end result.

We are constantly developing and delivering versatile and innovative colloidal silica solutions for a multitude of applications and industries. Our promise is to supply consistent high-quality products to all our customers, large and small, and to specialized users and distributors

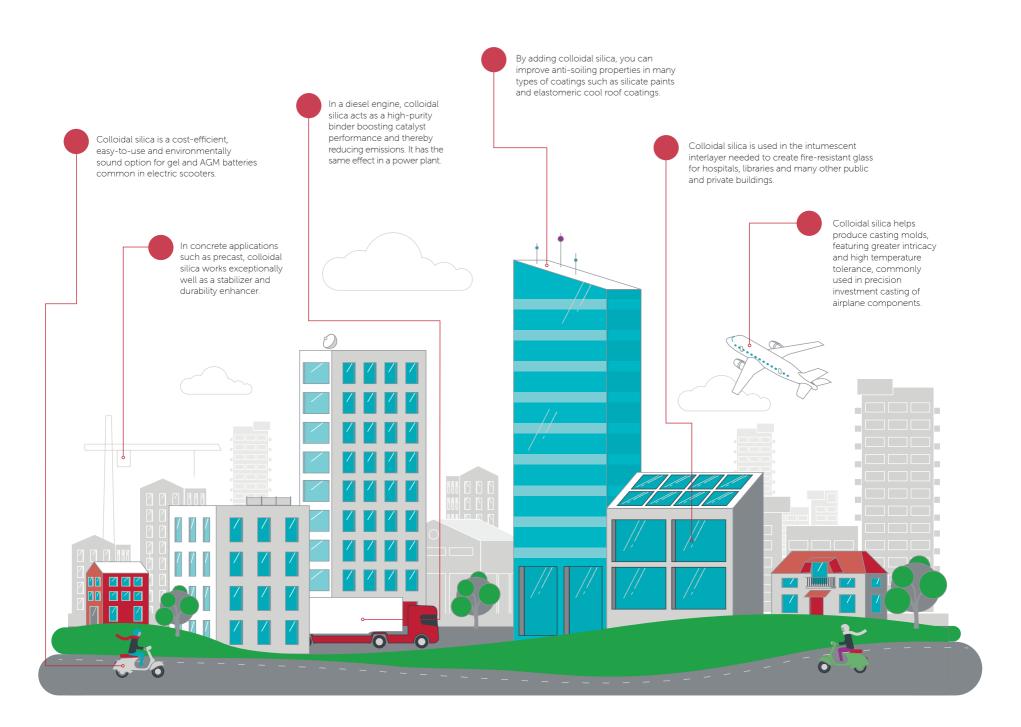
Businesses using Levasil Colloidal Silica operate in nearly all industries and in all countries of the world. They paint, polish, build a near endless list of products and ingredients, both seen and unseen, that are essential to our daily lives.













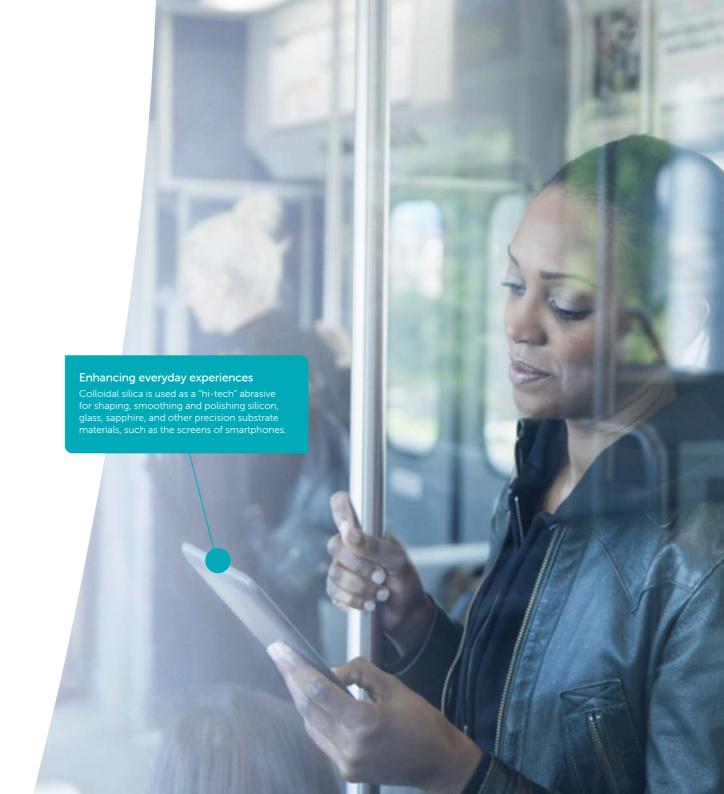
We offer five different categories of silica dispersed in water. They are available with different stabilizing ions, surface modifications and pH adjustments, designed to satisfy the requirements of your specific applications.



All Levasil Colloidal Silica products are aqueous dispersions. Color can vary from clear to opalescence or white, depending on particle size and distribution.



Silicon dioxide, or silica, is the most abundant of all the oxide minerals in the Earth's crust. It is present in combination with other oxide minerals but also in isolated forms, such as sand.





Delivering breakthrough innovations

We contribute to your success with innovations in silica chemistry and technology

In response to your needs, our scientists continuously develop a broad portfolio of colloidal silica solutions. We offer several grades of fluid, low viscosity colloidal silica dispersions, allowing us to deliver the perfect colloidal silica product for your application.

The Levasil Colloidal Silica portfolio covers the breadth of particle size, surface area, structure, concentration, pH, surface charge and surface modification. Everything in our portfolio is produced in our global network of ISO 9001 and 14001 certified manufacturing units.

Our extensive experience with colloidal silica began more than 80 years ago and we have been developing innovative colloidal silica dispersions for over 60 years. Safety, health and the environment are an integral part of our business policy, and we are committed to constant improvement in safety and health.

Your key to unlocking functionality

An essential ingredient for a wide range of industries

Collodial silica can be used in numerous applications and it enhances functionality in an ever-growing number of products. But choosing the right colloidal silica can be a challenge. Subtle differences in particle morphology, particle size, and ionic species can make all the difference. Our experts can support you with finding the right product for your application.

This is a selection of our recommended products per application.



Beverage clarification

In beverage clarification applications, our products are used as a functional processing aid for removing undesirable compo nents from liquids.

Products Levasil BF16 L

Levasil BF24 H Levasil BF30 Levasil BF36 AM Levasil BF36 M



Our products enhance the performance of coatings by delivering anti-soiling properties, improving hardness, enhancing pigment dispersion and prolonging open time.

Applications Prod

Decorative Coatings Inorganic & Insulation Coatings Non-Stick Coatings Protective Coatings Wood Coatings

Products Levasil CC151

Levasil CC301 Levasil CC401 Levasil CT20 DH Levasil CT24 PL



Gel & AGM batteries

Colloidal silica is an extremely cost-efficient, easy-to-use, and environmentally sound option for gelling sulfuric acid to obtain a solid electrolyte (gel cell) in valve-regulated, lead-acid (VRLA) batteries and for reducing the acid stratification in absorbed glass mat (AGM) batteries.

Products

Levasil GB1000 Levasil GB2000 Levasil GB3000 Levasil GB5000 Levasil GB6000



Oilfield services

Well cementing applications benefit from using our products. Thanks to a mix that improves strength and shortens setting times, well drilling activities usually can resume more quickly – saving time and money. Additionally, the low specific gravity of colloidal silica produces lightweight slurries that can be injected more controllably.

Products

Levasil OF50 Levasil OF50 P Levasil 110 WP



Levasil® is a registered trademark of Nouryon.



Catalysts

Our silica is an ideal component in catalyst manufacturing thanks to its consistent, controlled surface area, particle size and high purity. Its excellent inorganic high temperature binding capability increases the mechanical stability of catalysts.

Products

Levasil CA316 PNL Levasil CA320 DH Levasil CA414 PNM Levasil CA421 PNH Levasil CA425 H



Construction

Our products are used across the construction industry for increased durability and strength in cementing operations and ground consolidation.

Applications Concrete

Ground Levasil CB30
Consolidation Levasil CB45 A
Densification Levasil CB75 LS
Levasil CB8

Products

Levasil CB25 A



Foundry

Thanks to their capacity for greater intricacy of casting design and high temperature tolerance, our products are used as a binder in precision investment casting of ceramic shells. This also makes them very useful in refractory fiber bonding and ceramics casting applications.

Applications Precision

Materials

Precision Leva Investment Leva Casting Leva Refractory

Products
Levasil FO830
Levasil FO1440
Levasil FX170



Surface polishing

Our products are used as a "hi-tech" abrasive for shaping, smoothing, and polishing silicon, metals, sapphire, and other precision substrate materials.

Products

Levasil SP1049 Levasil SP3089 Levasil SP5089



Water treatment

Our products are useful in water treatment applications to improve the dewatering efficiency of solids and enhance the removal of organic substances.

Products

Levasil WT50 Levasil WT80 Levasil WT100 Levasil WT110



Other applications

Flexibility in application is typical for colloidal silica. Here you find some other areas of use. If you can't find what you are looking for, please contact us for advice.

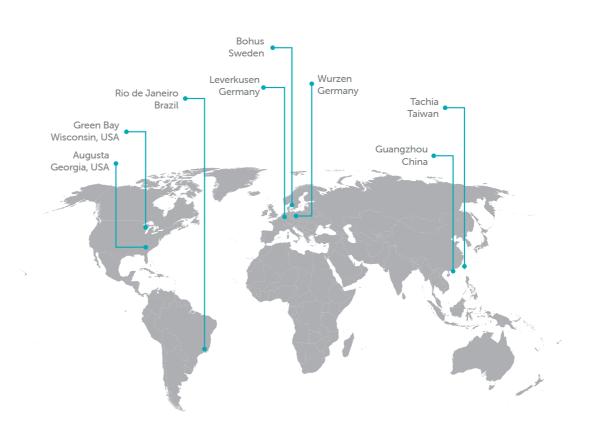
Applications

Adhesives Cleaning Products Paper Pigment & Fillers Plastic Films Textiles & Fabrics

Reliable supply with consistent quality

With our global network of manufacturing facilities, we provide our professional partners with a reliable supply of high and consistent quality colloidal silica. Customer confidence in this capability has made us a trusted world-leading manufacturer.

But supplying the right solutions goes beyond selling products. That's why we also help our partners overcome challenges along the entire life cycle – from compulsory eco-efficiency analysis in investment decisions to the use of hydropower and sustainable raw materials in their manufacturing. Product stewardship is as important as looking after the economic, technical and commercial aspects of product management. We want to ensure that our products are handled and used safely.



Welcome to the world of Nouryon

Your partner in essential solutions

Industries worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, and personal care items. Building on the dedication of our employees and our shared commitment to safety, sustainability, and open innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world.

For a sustainable future

We are proud of our 400 years of invention and invest significantly in R&D to drive growth through innovation, create more profitable, safer, and more sustainable products and processes, develop our own capabilities, and improve the way we work. We believe that being open to the ideas and enthusiasm of outside collaborators will help our company achieve its maximum potential and lead the way to a more sustainable chemical industry.

7800 employees

80+
countries

Contact us

For more detailed product information, samples, technical service and further information, please visit our website at colloidalsilica.nouryon.com, send an e-mail to colloidal.silica@nouryon.com or contact your regional sales office.

Levasil® is a registered trademark of Nouryon in several countries worldwide.

All information concerning these products and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

Nouryon

Nouryon is a global, specialty chemicals leader. Markets and consumers worldwide rely on our essential solutions to manufacture everyday products, such as personal care, cleaning goods, paints and coatings, agriculture and food, pharmaceuticals, and building products. Furthermore, the dedication of more than 9,700 employees with a shared commitment to our customers, business growth, safety, sustainability and innovation has resulted in a consistently strong financial performance. We operate in over 80 countries around the world with a portfolio of industry-leading brands. Visit our website and follow us @Nouryon and on LinkedIn.

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