

New Name, Same Leading-Edge Performance

We've unified many of our latex binder product offerings into one family: **LIGOS™ Binders**. You'll now see LIGOS™ Binders representing latex binder product offerings for textiles and carpet, paper and board, and adhesives and construction applications.

We changed the name, but not the performance or reliability you've come to expect from Trinseo.

Strong Bonds. Stronger Commitment.

The word *ligos* means "to bind." We chose LIGOS™ as the trade name for our diverse family of synthetic latex binders not only to acknowledge the performance and strength of the technology behind the name, but also to underscore the strength of our connection and commitment to our customers and the industry.

LIGOS™ goes beyond the science and chemistry of binders to create – and nurture – strong bonds that arise from innovation, collaboration, and dedication:

- Adherence to stringent standards
- Connections that unite us with our customers and us with them
- Links that demonstrate our commitment to the industry
- Ties that prove we're here to stay

In addition, bringing this broad range of products together has allowed the creation of internal synergies and streamlined options that offer increased efficiency and convenience to our customers.

Advantages and Benefits

Global Capabilities. Local Relationships.

With LIGOS™ Binders, you get Trinseo's in-depth formulation and application expertise and global, leading-edge performance polymer technology. You also get a partner. Our R&D, manufacturing, and application facilities in Europe, Asia Pacific, and the Americas allow us to be close and highly collaborative in new product development with customers around the world, building on our commitment to long-term customer relationships.

Innovation. Collaboration. Dedication.

Paper & Board

- We are number one in support of new machine start-ups in Asia Pacific
- Products from a number of our grades for specialty paper applications have been successful for 20+ years
- We are equipped with two pilot coaters, providing a unique offering in both Europe and North America

Textiles & Carpet

- We have the highest obtainable standard for our carpet VOC (compliant with global standards) and are able to deliver this solution globally
- All of our plants can produce textile products and are compliant with ISO 9001/ISO 4001 standards

Adhesives & Construction

- We have more than 50 years' experience in our Adhesives & Construction business
- On average, our major customers have been with us for more than 15 years

Seamless Transition

The LIGOS™ Binders offering will incorporate our styrene acrylic (SA) latex and styrene butadiene (SB) latex chemistries along with many other products. As a result, LIGOS™ Binders product formulations will continue to work seamlessly with our ENVERSA™ Technology and LOMAX™ Technology. The availability of our Modifier A™/NA Binder and VOLTABOND™ Binders product offerings also remains unchanged.

For more information about LIGOS™ Binders products for your specific application and formulation needs, contact us at cig@trinseo.com, or visit us online at www.trinseo.com.

NOTE: Products currently being sold to the marketplace will not be rebranded under the LIGOS™ name at this time. When new or enhanced product grades are developed, they will be commercialized with the LIGOS™ Binders nomenclature. This process enables a smooth transition by allowing customers to continue using existing, proven materials without the immediate need for requalification.



The principles of Responsible Care® and Sustainable Development influence the production of printed literature for Trinseo S.A. and its affiliated companies. As a contribution towards the protection of our environments, Trinseo's printed literature is produced in small quantities and on paper containing recovered/post-consumer fiber and using 100 percent soy-based ink whenever possible.

PRODUCT STEWARDSHIP

Trinseo and its affiliated companies have a fundamental concern for all who make, distribute, and use their products and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products so that appropriate steps may be taken to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Trinseo products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

CUSTOMER NOTICE

Customers are responsible for reviewing their manufacturing processes and their applications of Trinseo products from the standpoint of human health and environmental quality to ensure that Trinseo products are not used in ways for which they are not suitable. Trinseo personnel are available to answer questions and to provide reasonable technical support. Trinseo product literature, including safety data sheets, should be consulted prior to the use of Trinseo products. Current safety data sheets are available from Trinseo.

No freedom from infringement of any patent owned by Trinseo or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether products and the information in this document are appropriate for the customer's use and for ensuring that the customer's workplace and disposal practices are in compliance with applicable legal requirements. Although the information herein is provided in good faith and was believed to be accurate when prepared, Trinseo assumes no obligation or liability for the information in this document.

NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS

Trinseo requests that customers refer to Trinseo's Medical Application Policy <http://www.trinseo.com/medical.htm> before considering the use of Trinseo products in medical applications. The restrictions and disclaimers set forth in that policy are incorporated by reference.

For more information on products, innovations, expertise, and other services available from Trinseo, visit www.trinseo.com, or contact us as indicated below.

North America	+1-855-TRINSEO (855-874-6736)
Europe	+31-115-67-2601
South America	
Brazil	+0800-0474714
Argentina	+0800-2660569
Chile	+1230-020-1124
Colombia	+01800-5182475
Mexico	+01800-0834913
Asia Pacific	+60-3-7965-5319
China	+86-21-3851-1017
Email	CI@trinseo.com

www.trinseo.com

DISCLAIMER

TRINSEO MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, IN THIS DOCUMENT; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE (INCLUDING MEDICAL APPLICATIONS) ARE EXPRESSLY EXCLUDED. TRINSEO DISCLAIMS ANY AND ALL LIABILITY FOR LOSSES OR DAMAGES THAT MAY RESULT FROM THE USE OF TRINSEO PRODUCTS IN UNSUPPORTED USE. TRINSEO MAKES NO WARRANTIES, EXPRESS OR IMPLIED, THAT THE USE OF ANY TRINSEO PRODUCT WILL BE FREE FROM ANY INFRINGEMENT CLAIMS.

GENERAL NOTICE

Any photographs of end-use applications in this document represent potential end-use applications but do not necessarily represent current commercial applications, nor do they represent an endorsement by Trinseo of the actual products. Further, these photographs are for illustration purposes only and do not reflect either an endorsement or sponsorship of any other manufacturer for a specific potential end-use product or application, or for Trinseo, or for specific products manufactured by Trinseo.

If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Trinseo to change specifications and/or discontinue production, and (4) although Trinseo may from time to time provide samples of such products, Trinseo is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

For additional information not covered by the content of this document or to ensure you have the latest version of this document available, please refer to the Customer Information Group contact information on our website at www.trinseo.com/contact/.

Copyright ©Trinseo (2017) All rights reserved.
™Trademark of Trinseo S.A. or its affiliates
®Responsible Care is a service mark of the American Chemistry Council