



Carbospense™ K-700

Water Treatment Polymer News

Since 1994, the “*Carbospense™ K-700 Water Treatment Polymer News*” has provided timely information to Lubrizol’s water treatment chemical (WTC) customers. You may view this newsletter and several previous issues using [this link](#).

New Technical Papers and Reference Book Chapters Available

- ❖ Lubrizol presented **Deposit Control Polymer Selection Criteria for High Temperature Applications*** at AWT’s 2014 Annual Convention in Fort Worth, TX. This paper examined the effects of thermal stress on several deposit control polymers (DCPs) including polyacrylates, polymethacrylates, polymaleic acid, acrylic acid/sulfonic acid (AA/SA) copolymers and terpolymers. DCP composition, molecular weight, and acid number were characterized and dispersant (iron oxide & hydroxyapatite) performance evaluated before and after thermal stress. Lubrizol’s paper provides industrial water technologists guidance for designing high temperature water treatment programs where DCP thermal stability and/or performance retention is a critical criterion.
- ❖ Lubrizol’s contributions (*Reproduced with Permission from CRC Press/Taylor & Francis Group, a division of Informa*) to two water treatment reference books edited by Lubrizol’s Dr. Zahid Amjad are available for viewing at www.carbospense.com using the links below:
 - **The Science and Technology of Industrial Water Treatment**
 - * Scale and Deposit Control Polymers for Industrial Water Treatment Applications *
 - * Analytical Techniques for Identifying Mineral Scales and Deposits *
 - * Deposit Control Polymers: Types, Characterization, and Applications *
 - **Mineral Scales in Biological and Industrial Systems**
 - * Solution Chemistry Impact on Silica Polymerization by Inhibitors *
 - * Microscopy and X-Ray Based Analytical Techniques for Identifying Mineral Scales and Deposits *

* Electronic copies of this and many other technical articles and papers may be viewed [here](#).

Water Treatment Business Team Additions

Dr. Libardo Perez joined Lubrizol as a Research Scientist for water treatment applications in Jan-2014. Dr. Perez has over 25 years of scale and corrosion control experience in application areas including cooling water, oilfield exploration & production, and mining. Libardo holds Ph.D. degree in Physical Chemistry from the State University of New York at Buffalo. Dr. Perez is based at Lubrizol Energy & Water applications laboratory in Houston, TX.

Gregory Garwood became Lubrizol’s Product Manager – Water Treatment Chemicals in Apr-2014 based in Cleveland, OH. Greg brings 15 years of technical and commercial experience to the role, including assignments in accounting/finance, field technical support, product development and product management. Prior to joining the WTC team, Mr. Garwood worked in Lubrizol’s Fuel Additives business as a Product Manager. Greg holds a B.S. degree in Business Administration and Spanish from John Carroll University.

Acquisition News

On 1-Dec-2014, Lubrizol announced the signing of an agreement to acquire Weatherford's oilfield chemicals business and its drilling fluid business (see [Lubrizol to Acquire Weatherford Businesses](#)).

****** Seasons Greetings and Best Wishes for the New Year! ******

Please contact your local Lubrizol sales representative or office with any questions or comments. You can obtain the name of your Lubrizol [sales and technical service team](#) for Carbospense K-700 polymers by contacting Lubrizol's regional office (see below) for your location.

Lubrizol Locations & Sales Agents within the U.S.A.

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