



# 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](#).

### SAP EHS Module Implemented

Lubrizol’s continues behind the scenes efforts that will lead to the implementation of state-of—the-art SAP Environmental Health Safety module software that will be phased in and used to prepare product Safety Data Sheets and labels beginning in 2014.

### New Technical Article, Technical Paper, and Brochure

- ❖ The Summer 2013 issue of the Association of Water Technologies’ ([www.AWT.org](http://www.AWT.org)) *the Analyst* contains an article [Water Treater Deposit Control Polymer Evaluation Criteria and Considerations\\*](#) (AWT-SA-13) based on Lubrizol’s [AWT-2012 paper](#) with the same title. The article discusses Lubrizol’s laboratory testing to evaluate the performance of ≈2k molecular weight (MW) water and solvent polymerized polyacrylates (i.e., Carbospense K-7028 & K-752, respectively) and a high performance acrylate terpolymer (Carbospense K-798), and 1:1 blends (active solids basis) of each polyacrylate and CK798.
- ❖ Lubrizol presented [The Impact of Thermal Stress on Deposit Control Polymer Performance\\*](#) at AWT’s 2013 Annual Convention in Uncasville, CT. This paper examined the effects of thermal stress on several deposit control polymers (DCPs) including polyacrylates (made by solvent & water polymerization processes), a polymethacrylate, a polymaleic acid, acrylic acid/sulfonic acid (AA/SA) copolymers, and AA/SA/sulfonated styrene (AA/SA/SS) terpolymers. DCP compositions and MW were characterized and performance was evaluated before and after thermal stress. Lubrizol sought to provide industrial water technologists guidance for designing water treatment programs for high temperature applications (boiler, geothermal, oil production, and thermal distillation) where DCP thermal stability and/or performance retention is a critical criterion.
- ❖ Lubrizol introduced a new Carbospense™ K-700 Polymer Deposit Control Solutions [brochure](#) at the [AWT's 2013 Annual Convention](#) in Uncasville, CT.

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

## Updated Deposit Control Agent Applications Brochures\*

Carbosperse K-700 polymer application brochures that were updated during 2013 include:

- Solvent polymerized polyacrylates (CK732 and CK752),
- Water polymerized polyacrylates (CK7028 and CK7058),
- CK775 acrylate copolymer,
- Acrylate terpolymers (CK781, CK797, and CK798), and
- CKXP229 silica-silicate deposit control polymer.

\* Contact Lubrizol (see below) as appropriate.

**\*\*\* 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 Carbosperse K-700 polymers by contacting Lubrizol's regional office (see below) for your location.

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

<b>The Lubrizol Corporation</b> 29400 Lakeland Blvd., Wickliffe, OH 44092  <b>Marketing &amp; Technical Service:</b> P/440-347-7584, <a href="mailto:bob.zuhl@lubrizol.com">bob.zuhl@lubrizol.com</a> , <a href="http://www.carbosperse.com">www.carbosperse.com</a>	<b>Lubrizol Advanced Materials, Inc.</b> 9911 Brecksville Rd., Cleveland, OH 44141 <b>Customer Service:</b> • <b>USA:</b> P/800-380-5397, <a href="mailto:coatings.csr@lubrizol.com">coatings.csr@lubrizol.com</a> • <b>Int'l.:</b> F/216-447-5720, <a href="mailto:LZAM.export@lubrizol.com">LZAM.export@lubrizol.com</a>
<b>U.S.A. East Coast &amp; Midwest Sales Agent</b>	<b>U.S.A. West Coast Sales Agent</b>
<b>ZIBEX, Inc.</b> , P.O. Box 3009, Duluth, GA 30096 P/770-417-1426, F/770-417-1429, <a href="mailto:zibexinc@cs.com">zibexinc@cs.com</a>	<b>Creative Performance Chemicals, Inc.</b> 18760 E. Amar Road, Ste. 170, Walnut, CA 91789 P/909-869-1186/ F/909-869-5840, <a href="mailto:cpchem@aol.com">cpchem@aol.com</a>

### Locations & Distributors Outside the U.S.A.

<b>Lubrizol Advanced Materials (Canada)</b> International Customer Service 9911 Breckville Rd., Cleveland, OH 44141 F/1-216-447-5720, <a href="mailto:LZAM.export@lubrizol.com">LZAM.export@lubrizol.com</a>	<b>PIM Mexico, S.A. de C.V. (Mexico)</b> Insurgentes Sur. No. 299-203 Col. Hipodromo Condesa, 06170 Mexico, DF <b>Mexico</b> P/011-52-55-5564-6911, F/011-52-55-5564-6803 Gilberto Rocha, <a href="mailto:gilberto.rocha@pimmexico.com">gilberto.rocha@pimmexico.com</a>
<b>Lubrizol Advanced Materials Europe B.V.B.A. (Europe, Middle East, Africa)</b> Camino de Can Caldes, 13/17 08173 Sant Cugat del Valles, Barcelona, <b>Spain</b> P/+34-93-590-2916, F/+34-93-590-2940 <a href="#">EMEI Sales Office</a>	<b>Lubrizol Specialty Chemicals (Shanghai) Co. Ltd. (Asia Pacific Region)</b> 10/F, Park Center International, No. 1088 Fang Dian Road Shanghai 201204, PR China P/8621-3866-0366, F/8621-5887-6981/6977/6987/6983 Daisy Zhang, <a href="mailto:daisy.zhang@lubrizol.com">daisy.zhang@lubrizol.com</a>

Please notify Lubrizol ([bob.zuhl@lubrizol.com](mailto:bob.zuhl@lubrizol.com)) of any changes in your contact information including company name, address, telephone No., FAX No., or E-mail address. Thank you!