



# Carbospense™ K-700

## Water Treatment Polymer News

Since 1994, the “*Carbospense™ K-700 Water Treatment Polymer News*” has served as a means to provide timely information to Lubrizol’s water treatment chemical (WTC) customers. You may view this newsletter and several previous issues using the web link below:

<http://www.lubrizol.com/DispersantsWaterTreatment/Newsletters.html>

### SAP Implementation Completed.

Lubrizol has completed global implementation of SAP as our enterprise resource planning system as well as a set of standardized business processes. The Lubrizol Advanced Materials (LZAM) North America, Europe/South Africa, Asia, and Latin America SAP go-live dates were June-2008, April-2009, Oct-2010, and Nov-2011, respectively. The SAP capability enables Lubrizol to efficiently plan, schedule, track production and distribute our products, thereby streamlining our supply chain (e.g., material requisitions) and integrating activities surrounding our customer orders to make it easy to do business with Lubrizol.

### New Technical Papers and Articles Available.\*

- ❖ NACE International’s *Materials Performance* April 2011 published “[The Role of Water Chemistry in Preventing Silica Fouling in Industrial Water Systems](#)” (MP-V50-4) as a condensed version of LZAM’s NACE Corrosion/2010 paper (NACE-10048). The article contains data showing the effects of water chemistry on silica polymerization inhibitors (e.g., CKXP229).
- ❖ “[Implications of Deposit Control Polymer Blending to Water Treaters](#)” (AWT-2011) was presented at the Association of Water Technologies’ ([www.AWT.org](http://www.AWT.org)) 2011 Annual Convention in Atlanta, GA. The paper presents data for series of laboratory screening tests that were used to evaluate the performance of a ~2k MW polyacrylate (PAA or CK7028), a high performance acrylate terpolymer (ATP or CK798), and a PAA/ATP (1:1 on active solids basis) blend (TPB).
- ❖ “[Factors Impacting Silica-Silicate Control Agent Performance in Industrial Water Systems](#)” (IWC-11-61) was presented at the 2011 International Water Conference® ([www.eswp.com/water/](http://www.eswp.com/water/)) in Orlando, FL. The paper contains data clearly showing that silica supersaturation increases as temperature decreases and thereby increases silica polymerization inhibitor (e.g., CKXP229) dosage requirements. Other data show that an oxidizing biocide (hypochlorite) has a negligible impact on CKXP229 performance.
- ❖ The Fall 2011 issue of AWT’s *The Analyst* contains an article “[Effects of Thermal Stress on Silica-Silicate Deposit Control Agent Performance: Part 1 – Silica Polymerization Inhibition](#)” (AWT-FA-11) that is the first of a two-part series based on LZAM’s technical paper (AWT-2010) presented at AWT’s 2010 convention in Reno, NV.

\* Electronic copies of these technical papers & articles above as well as many others may be viewed at <http://www.lubrizol.com/DispersantsWaterTreatment/TechPapers/Carbospense.html>.

### Updated Deposit Control Agent Applications Brochures Available.\*

The documents listed below reflect a variety of updating and new information including references to LZAM's technical papers and articles available on [www.carbosperse.com](http://www.carbosperse.com).

- ❖ **Carbosperse™ K-7028 and K-7058 Series Polyacrylates (CK700-WPPAA-WT).**
- ❖ **Carbosperse K-732 and K-752 Series Polyacrylates (CK700-SPPAA-WT).**
- ❖ **Carbosperse K-775 Acrylate Copolymer (CK775-WT)** now includes previously unpublished data for Ca/HEDP inhibition and metal ion stabilization supplementing Ca/P inhibition and iron oxide dispersion data. Collectively, these data show that the performance of CK775 is superior to other similar AA/SA copolymers.
- ❖ **Carbosperse K-781, K-797, and K-798 Acrylate Terpolymers (CK700-ATP-WT).**
- ❖ **Carbosperse™ K-XP229 Carboxylated Copolymer (CKXP229-WT)** was updated to provide more specific product use guidelines and data showing the impact of an oxidizing biocide.

\* Contact LZAM's location, distributor, or sales agent noted 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 the Carbosperse K-700 polymer sales representative, distributor, or agent for your area by contacting LZAM's regional office (see below) for your location.

<b>LZAM Locations &amp; Sales Agents within the U.S.A.</b>	
<b>Lubrizol Advanced Materials, Inc.</b> Performance Coatings Group 9911 Brecksville Rd., Cleveland, OH 44141 P/216-447-5000, <a href="http://www.carbosperse.com">www.carbosperse.com</a>	<b>Customer Service:</b> • USA: P/800-380-5397, <a href="mailto:coatings.csr@lubrizol.com">coatings.csr@lubrizol.com</a> • Int'l.: P/216-447-5000, <a href="mailto:LZAM.export@lubrizol.com">LZAM.export@lubrizol.com</a> <b>Marketing &amp; Technical Service:</b> <a href="mailto:bob.zuhl@lubrizol.com">bob.zuhl@lubrizol.com</a> , P/216-447-7584, F/216-447-5238
<b>USA East Coast &amp; Midwest Sales Agent</b>	<b>USA 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>

<b>Locations &amp; Distributors for Customers Outside the U.S.A.</b>	
<b>Lubrizol Advanced Materials (Canada)</b> International Customer Service 9911 Breckville Rd., Cleveland, OH 44141 P/1-216-447-5000, 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.</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.</b> (Europe, Middle East, Africa) 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="mailto:EMEA Sales Office">EMEA Sales Office</a>	<b>Lubrizol Southeast Asia (Pte.) Ltd.</b> (Asia Pacific Region) 44 Tanjong Penjuru Singapore 609032 P/65-6264-1644, F/65-6264-2105 Tan Meng Kwang, <a href="mailto:mengkwang.tan@lubrizol.com">mengkwang.tan@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!