

Plastics Newsletter

Always a better solution.



Greetings!

In this month's newsletter, we discuss changes in the market; the SPE Polyolefin Conference; **Evonik's** TAC & TAICROS Crosslinking Additives for Plastic & Rubber Applications; **Orion Engineered Carbons'** High Performance Conductive Blacks for Plastics; and **MG-Guard™** LS-701 for Superior UV and Thermal Stability in TPO's.

Also featured in this newsletter:

[Download Supply Chain and Logistics Report](#)

The report provides current market cost and service performance information.



[Download Monthly Commodities Report](#)

The report tracks select raw materials and currencies allowing you to gain a better understanding of some of the key cost drivers in our industry.



Market Updates - by Hany Said, Senior VP of Sales - Plastics

- Plastics use in cars has **risen 16%** over the past decade, according to new research.
- Bank of America's chief executive expects the U.S. economy to reach a **technical recession** starting in the third quarter.
- Sherwin-Williams faces a new lawsuit for adding a **4% supply-chain surcharge** at the checkout line for its paints.
- Banks borrowed a **combined \$164.8 billion** from two Federal Reserve backstop facilities last week, a sign of escalating funding strains in the aftermath of Silicon Valley Bank's failure.
- Honda's U.S. unit will move production of its Accord sedan from Ohio to **Indiana** in 2025 as part of a shift to building electric vehicles.
- U.S. home prices fell year over year in February for the first time in 11 years, while sales of existing homes **surged 14.5%** from the prior month, the first gain in 12 months.
- The U.S. index of leading economic indicators **fell in February** for the 11th consecutive month.
- It's a buyer's market in current shipping contract talks, with concern growing that low contract rates could force shipping lines to **cut capacity** just when ocean trade recovers.
- The Port of Los Angeles handled **331,811 TEUs** in February, a 36% year over year drop led by plummeting imports.
- Georgia's Port of Savannah handled **395,000 TEUs** in February, down 14% from the same month last year.
- Tesla plans to slash the cost of building next-generation electric vehicles by **50%** in coming years.



- General Motors **halted production** at its Silao, Mexico, assembly plant for two weeks due to supply-chain problems.
- Amazon will **cut 9,000 more jobs**, mostly in advertising and cloud computing, on top of the 18,000 it already eliminated, bringing its total staff reduction of recent months to 9% of its corporate workforce.
- Trucking executives say they expect a **strong rebound in freight demand** in the second half of the year.

Save the Date - Supply Chain Webinar!

Join us for an insightful webinar, hosted by Mike Brennan, Director of Supply Chain and Logistics, Barentz North America, on the latest updates and key information on North American distribution and warehouse operations.

Our expert speakers, Bruce Krebs, Senior Vice President of Global Distribution, and Robert Martinez, Regional Vice President of Mexico at Expeditors, will share their extensive knowledge and experience in the logistics industry.

AGENDA:

- North America Distribution and Warehouse Update – Bruce Krebs, Senior Vice President Global Distribution, Expeditors
- Mexico: Benefits of Near Shoring and other key information to operate successfully in Mexico – Robert Martinez, Regional Vice President, Mexico, Expeditors
- Live Q&A with the Experts

Webinar dates are Tuesday, April 18 or Wednesday, April 19.

[Click here to register today!](#)



Showcase North America

Supply Chain & Logistics Webinar

Save the date: April 18 or April 19, 2023 at 10 AM EST

Barentz.

+

Expeditors®

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TAC & TAICROS® Crosslinking Additives for Plastic & Rubber Applications

When **Evonik's** TAC and TAICROS® are used in combination with peroxides the increase of crosslinking efficiency can be utilized in two directions: on one side TAC or TAICROS® can be added on top of the regular peroxide concentration to increase the crosslinking density and cure speed. On the other side a part of the peroxide can

be replaced by TAC or TAICROS® resulting in the same crosslinking degree. In this case disadvantages associated with the peroxides like volatile or toxic byproducts or blooming can be reduced. The following are just a few of the advantages of boosting crosslinking performance with TAC * TAICROS.

- Increased crosslinking density
- Acceleration of cure speed (vulcanization)
- Improved abrasion resistance and stress crack sensitivity
- Increase of aging resistance = longer life span of the plastic / rubber
- Essential to obtain crosslinking in some applications (e.g. polyamide or polypropylene)
- Improvement of elastic properties
- Improved chemical resistance



TAC & TAICROS are 100% triallyl-cyanurate suitable for all rubber and plastic applications with TAICROS specifically designed work in high temperature processing/extrusion (up to 250°C). Typical applications for TAC & TAICROS include wire & cable, electronic, pipes / hoses, adhesives, UV curable coatings, O-rings / gaskets and anywhere peroxides are used for crosslinkers.

Don't wait to give your crosslinking a boost and contact your Barentz Account Manager for a consultation at 440-937-1000, marketing@barentz.us, or at our [website](#).

High Performance Conductive Blacks for Plastics

Polymer materials are inherently electrically insulating materials, meaning they do not conduct electricity. To make plastic materials conductive, a special type of carbon black is utilized. **Orion Engineered Carbons** offers one of the best solutions on the market for electrical conductivity.



Orion's PRINTEX Kappa 70 & PRINTEX Kappa 20 can be used to reduce the resistivity of various polymers. Applications for these carbon blacks include wire & cable, electronic packaging, ATEX (atmospheric explosion), ESD (Electro-static Discharge), and EMI (Electro Magnetic Interference)/RFI (Radio Frequency Interference) Protection applications. PRINTEX Kappa 70 & PRINTEX Kappa 20 help to strike a balance between electrical conductivity, process ability, and performance. Some of the benefits include:



- Outstanding dispersibility, mechanical stability, and viscosity properties
- Highly conductive Carbon Black at low concentrations
- No negative impact on rheological properties

For more info about PRINTEX Kappa 70 & PRINTEX Kappa 20 call your Barentz Account Manager today at 440-937-1000 or visit our [website](#).

MG-Guard™ LS-701 for Superior UV and Thermal Stability in TPO's

MG-Guard™ LS-701 is a top-of-the-line synergistic mixture of absorbers and stabilizers, imparting outstanding stability against UV and thermal degradation for polyolefins and rubber-modified polyolefins (PE, PP, TPO). MG LS-701 is used when ultra-long-term performance is desired; 10+ years outdoor stabilization is attainable in olefin molding applications with this stabilizer. Typical loadings are in the 0.1-1.0% regime, depending on formulation specifics and desired service life.

For extra protection against surface crazing/cracking, especially for PP & TPO, MG LS-701 demonstrates excellent synergism with low molecular weight hindered amine stabilizers, including UV-3853 (Sunovin 5585).

MG-Guard™ LS-701



Features & Benefits:

- Outstanding UV stability compared to “common” packages, e.g. UV-791
- Excellent long-term UV color stability & thermal stability
- Resistant to deactivation from acids & halogenated flame retardants
- Reduced mold deposits/minimal interactions with metal stearates
- Excellent paintability, non-migratory / “blooming,” non-fogging
- FDA sanctioned in polyolefins (Additives 21 CFR 178.2010 / Olefins 21 CFR 177.1520)

Please contact your Barentz Account Manager for more information at 440-937-1000, marketing@barentz.us, or visit www.barentz-na.com.

Thank you for visiting Barentz at the International Polyolefins Conference in Galveston

The Barentz team had a great time meeting our customers and principal suppliers at the International Polyolefin Conference this month. With over 800 in-person and virtual attendees, and 50+ exhibitors, it was exciting to share the Barentz growth story, and our passion for providing solutions to our customers. Thank you for stopping by our booth and meeting our team. Please let us know how we can help you succeed in 2023 at 440-937-1000 or marketing@barentz.us



Meet Barentz Plastics

Watch this video to learn why Barentz is a world-class leader in the Plastics industry.

Bring your challenges to us and see if we can truly find a better solution for you. [Click for Video](#)



Follow Barentz CASE & Plastics on LinkedIn!

Follow us on LinkedIn to learn more about our full portfolio of specialty chemicals for the coatings, adhesives, sealants, elastomers, and plastics markets.



Trade Show Calendar - Meet with Barentz Plastics

- **CAD Retec** - September 18-20, 2023 - Orlando, Florida
- **SPE Auto TPO** - October 1-4, 2023 - Troy, Michigan
- **Compounding World** - November 15-16, 2023 - Cleveland, Ohio

Plastics Resources



Plastics Product Guide

Specialty additives and pigments for Plastics

[Download our Plastics Product Guide](#)



"Pass the Risk"

Multiple component, fully dispersed premixes that are engineered to meet your needs

[Download Addipel Brochure](#)

Supply Chain and Logistics Report

We are pleased to share attached Barentz Supply Chain and Logistics Report. The report provides current market information as well as Peak Season commentary. We hope you'll find the report a benefit to pulse the supply chain /logistics market for overall awareness as we move to finish 2022.

[Download our Supply Chain Report](#)

Commodities Report

The monthly Commodities Report tracks select raw materials and currencies allowing you to gain a better understanding of some of the key cost drivers in our industry.

[Download our current Commodities Report](#)

Sustainability Report 2022

We're excited to announce we've released our Corporate Sustainability Report. ESG is a core part of who we are and what we do at Barentz. Our Sustainability Report highlights the activities we've completed globally during 2022 to improve our ESG performance.

[Download our Sustainability Report](#)

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At Barentz we have a passion to deliver better life science ingredients and specialty chemical solutions to our customers around the world. Driven by the powerful blend of knowledge, entrepreneurship and partnership we anticipate and act on future challenges and developments.

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