



## FACT SHEET DuPont™ Capstone™ Products For the Paper Packaging Industry

DuPont™ Capstone™ products are a sustainable, performance driven line of fluoro-repellent products that meet or exceed market performance requirements for the packaging industry, while delivering a step-change improvement in fluorine efficiency. They are used to make surface-protection products such as oil- and grease-resistant coatings for the packaging industry.

Benefits include:

- Superior stain resistance
- Greater grease- and oil-repellent
- Advanced protection for paper, paperboard and molded products
- Will not change the appearance and feel of the paper substrate
- Is not film-forming

Applications: linerboard, folding cartons, bags, flexible packaging, support cards for candy/bakery products and duplicator/reproduction paper among others.

### FEATURES

- Based on short-chain molecules that cannot break down to PFOA in the environment
- Reduction in PFOA below the limit of detection\*
- 95 percent or greater reduction in PFOA precursors and higher homologues
- High performance without an increase in product use rate

### OVERALL BENEFITS

- Conversion to Capstone™ products minimizes environmental footprint without compromising performance.
- Capstone™ products are expected to work in mills similarly to traditional products.
- Capstone™ products are listed on existing global regulatory clearances, including the United States (TSCA) and Europe (EINECS), and meet the goals of the voluntary U.S. Environmental Protection Agency 2010/15 PFOA Stewardship Program.
- Fluorotelomer chemistry is not made with PFOA, nor is PFOA added during the manufacture of DuPont fluorotelomer-based products. Capstone™ products are based on short-chain molecules that cannot breakdown to PFOA in the environment. This change, when combined with the technology for LX Platform products, yields fluorotelomer products with negligible PFOA and PFOA precursor content.\*\*

### PRODUCT LAUNCH DETAILS

- DuPont will provide a complete line of Capstone™ stain- and oil- repellent products for paper packaging.
- Capstone™ products are expected to be available for sampling in mill trials to the paper packaging industry in 2008, and commercially available in 2009. They will be priced competitively.
- As the largest global manufacturer and supplier of fluorotelomer products, DuPont holds a strong global supply position for Capstone™ products.

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\* Below the limit of detection for PFOA based on the published analytical method found in the *Journal of Chromatography A*, 1110 (2006) 117-124.

\*\* Regarding marketing claims, DuPont believes that no one can substantiate statements that fluorotelomer products are "PFOA Free" or have "Zero PFOA" even if test results are below the limit of detection. DuPont feels such a claim must be made with scientific accuracy, and analytical methods continue to advance to ever-lower detection limits.