



**FACT SHEET**  
**DuPont™ Capstone™ Products**  
**Fluorosurfactants for Firefighting Foam**

DuPont™ Capstone™ products are a sustainable, performance driven line of fluorosurfactant products that meet or exceed market performance requirements for use in the firefighting foam concentrate and portable fire extinguisher industries, while delivering a step-change improvement in fluorine efficiency.

Capstone™ products will continue to offer superior performance equal to or better than existing DuPont fluorotelomer-based firefighting foam additives.

Benefits include:

- Superior film-forming agents
- Excellent foaming agents
- Reduced surface tension of aqueous solutions, even at very low concentrations
- Very fast spreading coefficient
- Enabling superior burn-back resistance in firefighting foam concentrates against hydrocarbon and polar liquid fires

**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 perform 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 break down 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™ firefighting foam products.
- Capstone™ products are available for the firefighting foam industry today, with additional products expected to be introduced in 2009 and 2010. 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.

3/08

\* *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.*