

## Chevron Phillips Chemical Company LP

**Has added a new catalyst to its  
E-Series® Catalyst portfolio,  
Alpha E-Series® Catalyst!**

Chevron Phillips Chemical has more than thirty years of experience in acetylene hydrogenation technology. E-Series® catalyst is considered the leading technology for Front End converters in the ethylene industry. With this experience, expertise, and extensive research and development work, Chevron Phillips Chemical developed **Alpha E-Series® Catalyst**.

In the 1990's, E-Series® catalyst formulation significantly advanced the technology for Front End selective hydrogenation of acetylene. Now, **Alpha E-Series® Catalyst** is the next technological advancement. The **Alpha E-Series® Catalyst** is specifically formulated to enhance the overall selectivity, activity, and stability beyond the established and highly selective E-Series® catalyst. The **Alpha E-Series® Catalyst** is more active than the standard E-Series®, which promotes longer runtimes, but with more stability from a much wider window of operability. This allows for a greater prospect of on-spec ethylene production and a reduced risk of a runaway reaction during normal operation, process upsets, CO swings, flow rate adjustments and start-ups.

	Alpha	E-Series
Operating Window (°C)	50	37.4
Activity (T1, °C)	43.2	45.3
Overall Selectivity	+5-10%	Base

**Increased Ethylene Production  
and Plant Profitability**



You can count on Chevron Phillips Chemical to provide excellent quality control, customer service, technical expertise and responsiveness to your needs. For additional information, please contact the sales office nearest you **1.800.858.4327** or visit **[www.cpchem.com](http://www.cpchem.com)**