

Distillation Section: Nufarm AHM 700 Series Styrene Inhibitors

The Inhibitor AHM 700 series are polymerization control additives specifically designed to enable the most efficient trouble-free operation of styrene monomer production plants. They are a mixture of DNBP retarder with a true inhibitor that offers greatly improved anti-polymerization performance compared to other commonly used materials. The performance and economics have been proven at many plant trials and conversion rate from plant trial to full time use is 100%

- Easily handled liquid products.
- Superior polymer control, and can be used at a much lower dose, compared to conventional nitrophenolic products
- Reduced usage rate leads to superior economics and lower NOx when residues are incinerated
- Retarder and inhibitor properties in a single product so only one storage and feed system is required

Nufarm AHM 700 series comprises several different formulations designed to suit a variety of plant conditions and we can create custom formulations to suit specific customer needs.

We have case histories on all types of plant design and the DNBP/Inhibitor combination is very much industry standard. Nufarm have been supplying the pre-mix commercially for over 20 years

Case History: Savings on plant >\$500,000 per year

Parameter	Pre-Trial	With AHM700	% Change
DNBP in EB splitter, ppm	1250	900	-28
Polymer in EB splitter, ppm	3000	750	-75
DNBP in SM column, %	1.5	1.0	-33
Polymer in SM column, %	6.5	3.5	-46

Inhibitor AHM 700 series are available in 1000L intermediate bulk containers (IBCs) and in isotanks