Nufarm Inhibitors for C8 styrene recovery

Styrene can be extracted from a crude C8 stream produced by naphtha cracking. After extraction the styrene must be decolourised and this is commonly accomplished with nitric acid or maleic anhydride. Both these processes can suffer from polymer fouling in the styrene distillation step and both reagents are known to contribute to polymer formation in addition to that formed by the heating of styrene.

Nufarm have several case histories for the recovery of styrene from a crude C8 stream. DNBP and true inhibitors are used to prevent polymerization of the styrene. Our technical service team are able to advise on dosing locations and amounts of the inhibitors.