GE
Water & Process Technologies

Customer Benefits

Styrene Process Treatments

Polymeriztion Loss

Styrene producers are in a competitive business. Polymerization cuts into monomer production yield and profitability. Patented GE Styrex Inhibitors are an excellent means to minimize polymerization in distillation equipment.

Di-Nitro Reduction

In combination with Di-Nitrophenolic (Di-Nitros) retarders, Styrex provides benefits beyond polymerization reduction.

- Total treatment cost for Styrex plus retarder is far less than retarder alone at equal polymer generation level.
- Operator exposure and risk of handling environmentally toxic DiNitros is reduced
- NOX generation from burning of tar is reduced due to less DiNitro feed.
- With Styrex II replacement of Di-Nitros, retarder contribution to NOX is completely eliminated

Fouling and Corrosion Control

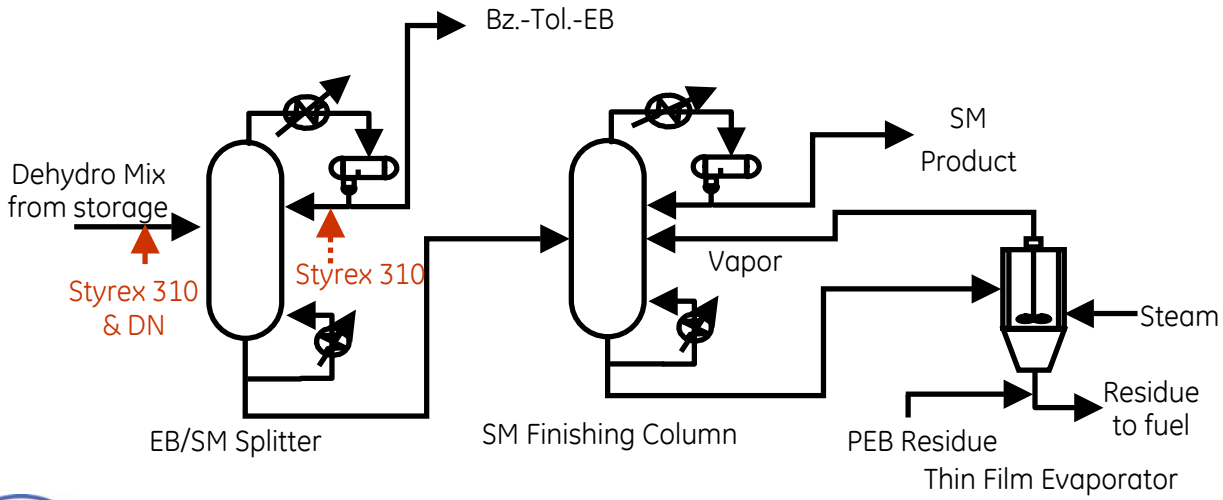
GE Styrex programs prevent fouling and corrosion driven maintenance and operating expenses, and throughput limitations. Whether at the vent gas compressor, distillation columns, reboilers, or condensers, GE can work with you to solve process problems using Styrex treatments and non-nitrogen corrosion inhibitor.

Combined with our cooling system treatment, heat transfer performance and corrosion control can be assured on both sides of the exchanger.

Separation Aids

Emulsion formation in the Ethylbenzene wash section and Dehyro mix oil/water separator can disrupt operations. Your GE representative can prescribe the emulsion breakers necessary to enable clean oil/water breaks where short residence time is otherwise limiting.

Distillation Section



Find a contact near you by visiting gewater.com or e-mailing custhelp@ge.com.

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

CB10840601

Dehydrogenation Section