

Styrex* 43

Corrosion Inhibitor

Styrex 43 is designed to:

- Reduce carbon steel corrosion
- Extend equipment life
- Protect against both acidic and oxygen initiated corrosion
- Effectively inhibit corrosion, without poisoning zeolite alkylation catalysts

Description and Use

Styrex 43 is a nitrogen-free, oil-soluble, corrosion inhibitor containing only the elements carbon, hydrogen and oxygen. Sulfur content is less than 15 ppm. It protects carbon steel surfaces from electrochemical reactions that potentially cause localized pitting and overall metal loss.

Typical Application

Styrex 43 can be applied, but is not limited, to the overhead systems of benzene purification columns in ethylbenzene and cumene units, depropanizers, lights recovery columns, and benzene-toluene splitters in styrene plants.

Treatment

Proper treatment levels for Styrex 43 depend on many factors such as operating conditions, feed rate, system corrosivity, and the severity of the conditions particular to a given application.

Assessment of these factors will aid the GE Water & Process Technologies (GE W&PT) representative in recommending treatment rates and control procedures specific to each application.

Feeding

Styrex 43 is completely soluble in hydrocarbon streams, and is ready to be fed in its delivered form. The product can be applied neat or diluted with a process slipstream to overhead lines via an injection quill to protect overhead piping and equipment.

For consistent effectiveness, Styrex 43 should be fed continuously by a chemical proportioning pump. Injection points will be determined specifically for each application.

DO NOT MIX with other process additives unless compatibility has been checked and approved by GE W&PT Product Management.

Evaluation

For best treatment performance, the Styrex 43 program must be conscientiously monitored. Critical unit operating parameters, corrosion test coupons, visual inspection of equipment and Styrex 43 injection rates should be used to adjust chemical dosage and to evaluate treatment effectiveness.

Safety Precautions – Typical Properties

A Material Safety Data Sheet (MSDS) containing physical properties data and detailed safety information for this product is available by contacting your GE W&PT representative.



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