

Water Technologies & Solutions fact sheet

Butaclean* 4630

antifoulant / polymerization inhibitor

Butaclean 4630 is designed to:

- Inhibit heat induced free radical polymerization of various petrochemical plant monomers
- Decrease production losses
- Extend equipment run length
- Reduce pressure drop constraints
- Increase efficiencies in heat transfer equipment
- Reduce maintenance costs and hazardous waste disposal costs

description and use

Butaclean 4630 is a solution of a free radical chain terminator/inhibitor in an organic solvent. It is designed to control heat induced free radical polymerization of reactive monomers. This product will reduce polymer fouling of compressors, distillation columns, reboilers and other heat exchangers. Butaclean 4630 quickly reacts directly with monomer free radicals, terminating further propagating reactions and shortstops the polymer chain.

typical applications

Butaclean 4630 can be used to control polymer fouling in styrene, ethylene, butadiene, isoprene, synthetic rubber, acrylic acid, acrylate and vinyl acetate manufacturing units.

treatment

Proper treatment levels for Butaclean 4630 depend on

many factors such as feedstock being processed and the severity of the conditions particular to a given installation.

This product is to be used in accordance with control procedures SUEZ establishes for each specific application.

feeding

For consistent protection, Butaclean 4630 must be fed continuously by a chemical proportioning pump. It is usually fed to injection points as far upstream of the fouling locations as possible to assure maximum mixing and contact.

DO NOT MIX with other process chemicals unless compatibility has been checked and approved by SUEZ Product Management.

evaluation

For best treatment performance, the Butaclean 4630 treatment program must be conscientiously evaluated by periodically recording critical unit parameters such as heat transfer, pressure drop, and equipment cleaning cycles.

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 SUEZ representative.



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