Water Technologies & Solutions
fact sheet

Butaclean* 4615

polymerization inhibitor

Butaclean 4615 is designed to:

- Inhibit free radical polymerization fouling
- Decrease production losses
- Extend run lengths
- Reduce pressure drop constraints
- Increase efficiencies in heat transfer equipment and other process equipment

description and use

Butaclean 4615 is a chain terminator in a toluene solvent, designed to inhibit free radical polymerization fouling initiated by heat induced radicals and/or peroxy radicals. Butaclean 4615 is most effective at stabilizing radicals in low oxygen environments and in a temperature range up to 100°C (212°F).

application

Butaclean 4615 is designed to minimize polymerization and reduce fouling in columns, reboilers and other equipment of butadiene, isoprene and elastomer units.

treatment

Proper treatment levels for Butaclean 4615 depend on many factors such as the severity of the conditions particular to a given installation.

Assessment of these factors will aid the SUEZ representative in recommending treatment rates and control procedures specific to each application.

feeding

Butaclean 4615 is typically fed neat, but can be diluted to a convenient strength with aromatic hydrocarbons, if necessary.

For consistent protection, Butaclean 4615 should be fed continuously by a chemical proportioning pump. Injection points should be as far upstream of the fouling locations as possible to assure maximum mixing and contact.

Keep water out of the feed system.

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 4615 program must be conscientiously evaluated by periodically recording critical unit parameters such as heat transfer, pressure drop, and equipment cleaning cycles.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available on request.

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