

Water Technologies & Solutions fact sheet

Butaclean* 4617

antifoulant

Butaclean 4617 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 4617 is a hydrocarbon-soluble chain terminator designed to inhibit free radical polymerization fouling initiated by heat induced radicals and/or peroxy radicals. It is effective at stabilizing radicals in the presence of oxygen and with temperatures ranging up to 248°F (120°C).

typical applications

Butaclean 4617 is designed to minimize polymerization and reduce fouling in butadiene and isoprene extraction units. It is an antipolymerant and antioxidant in one formulation.

treatment

Proper treatment levels for Butaclean 4617 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 4617 is typically fed neat, but can be diluted to a convenient strength with aromatic hydrocarbons, if necessary. For consistent protection, Butaclean 4617

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. Contact your SUEZ representative for injection location recommendations.

evaluation

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

storage and handling

Butaclean 4617 can be stored either in 316SS or 304SS containers.

Avoid exposure to low-grade metals and moisture because Butaclean 4617 will lose its efficacy.

This product is not water-soluble. 2% water exposure will result in cloudy product.

Should Butaclean 4617 be exposed to temperatures <-30°C (-20°F), it can be thawed and then mixed to ensure homogeneity. Additionally, prolonged high temperature storage will accelerate product degradation.

Any questions or concerns relative to the storage or compatibility of Butaclean 4617 should be addressed to SUEZ Product Management.

safety precautions

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



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