Water Technologies & Solutions

fact sheet

Butaclean* 4703

corrosion inhibitor

Butaclean 4703 is designed to:

- Prevent corrosion and extend equipment life
- Minimize corrosion deposition and reduce downtime and maintenance costs
- Be effective over a wide pH range
- Inhibit corrosion without the use of halogens or heavy metals

description and use

Butaclean 4703 is a concentrated, water-based, semi-polar, high molecular weight blend of organic filming inhibitors used to protect against corrosion.

Butaclean 4703 provides corrosion protection by adsorbing onto metal surfaces to form a protective monomolecular film. It protects against corrosion caused by hydrochloric acid, carbonic acid, hydrogen sulfide, and other inorganic and organic acids, along with oxygen.

Butaclean 4703 is effective in hydrocarbon streams over a wide pH range. However, best results are obtained in the mid to low pH range.

typical applications

Butaclean 4703 is specifically designed to be used in butadiene, isoprene, and elastomer units.

treatment

Proper treatment levels for Butaclean 4703 depend on the severity of conditions particular to a given installation.

Assessment of each application by the SUEZ representative will result in the most cost effective recommendation of treatment rates and control procedures specific to each application.

feeding

Butaclean 4703 should be fed at the rate specified by the SUEZ representative, following a system survey. If the system is previously untreated or fouling deposits are known to exist, feed should begin at low rates and be gradually increased to the recommended maintenance dosage.

Butaclean 4703 may be fed either neat directly from the shipping container or diluted to a convenient strength with water prior to injection.

For consistent corrosion protection, Butaclean 4703 should be fed continuously via a chemical proportioning pump. The injection point should be at least 15 pipe diameters upstream of the overhead condensers. Proper dispersion can be achieved by using a dispersion quill or spray nozzle and a reflux slipstream.

Stainless steel is an acceptable metallurgy. Avoid carbon steel in the feed system.

evaluation

Corrosion test coupons, corrosimeter probes, tail water analyses for iron and copper and visual inspection of equipment are 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 SUEZ representative.

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