

# Butaclean\* 4618

## polymerization inhibitor

Butaclean 4618 is designed to:

- Control oxygen corrosion in aqueous and aqueous/hydrocarbon systems
- Control polymerization due to free radical mechanisms in aqueous and hydrocarbon systems

### description and use

Butaclean 4618 is a water soluble blend of an organic oxygen scavenger, a free radical terminator, and a neutralizing amine. It is designed to minimize peroxide initiated polymer fouling and corrosion due to oxygen in process water systems and in hydrocarbon systems.

### typical applications

Butaclean 4618 is specifically designed to be used in any type of butadiene extraction unit whenever oxygen contamination contributes to corrosion and promotes polymerization reactions.

### treatment

Butaclean 4618 feedrate is based on the severity of the problem, dissolved oxygen content of the stream, and conditions particular to a given system. It is usually added to the aqueous phase contributing oxygen contamination to the system.

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

## Water Technologies & Solutions fact sheet

### feeding

Butaclean 4618 may be fed neat directly from the shipping container or diluted to a convenient strength with good quality water.

Feed equipment should consist of a totally enclosed stainless steel or polyolefin day tank or the existing hydrazine feed system where appropriate. Avoid using copper or copper bearing alloys.

Butaclean 4618 should be fed continuously with a positive displacement chemical pump. In colder climates, the product container and feed system will require freeze protection.

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

### evaluation

The proper chemical dosage and treatment effectiveness is determined by monitoring system fouling and corrosion rates, oxygen analysis, product residuals, and visual inspection of equipment.

### safety precautions

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

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