

# Butaclean\* 4613

## polymerization inhibitor

Butaclean 4613 is designed to:

- Inhibit both alkyl and peroxy free radical polymerization of dienes
- Decrease production losses
- Extend run lengths
- Work in both the extraction and finishing sections

### description and use

Butaclean 4613 is a highly concentrated blend of chain terminators designed to inhibit free radical polymerization of dienes in the presence or absence of oxygen.

### application

Butaclean 4613 is effective in both the extractive distillation section and in the finishing section of butadiene and isoprene purification plants.

### treatment

Proper treatment levels for Butaclean 4613 depend on the severity of conditions particular to a given installation.

Typical treatment levels are 20 to 50 ppm based upon the flow of crude diene to the extraction section or upon the diene flow in the finishing section. This product is used in conjunction with a commodity TBC (tertiary butyl catechol) program.

## Water Technologies & Solutions fact sheet

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 4613 is typically fed neat, directly from the shipping container. The product should be fed continuously by a chemical proportioning pump.

Injection points are normally to the reflux, returning to the tower or other suitable location to insure proper distribution of the inhibitor.

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

### evaluation

For best unit performance, the Butaclean 4613 program must be conscientiously monitored by periodic recording of system control parameters such as heat transfer, pressure drop, chest pressure, pump strainer cleaning frequency, and temperatures.

### 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.

The Lenntech logo, featuring the word "LENNTECH" in a blue, italicized sans-serif font.

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