

Water Technologies & Solutions
fact sheet

Butaclean* 4701

dispersant

Butaclean 4701 is designed to:

- Control deposition of hydrophobic materials in aqueous systems
- Enhance wettability of particulate matter
- Remain stable at high temperatures

description and use

Butaclean 4701 is a blend of anionic surface active agents. It is specifically designed to control the deposition of solids and other hydrophobic substances in butadiene extraction units and elastomer units. Its main use is to control fouling in the recovery stripper of SBR (Styrene Butadiene Rubber) units.

typical applications

Typical applications for Butaclean 4701 include butadiene extraction and elastomer units.

Butaclean 4701 should be used in aqueous systems where fouling or operational problems are caused by deposition of solids or polymer.

While the majority of water contamination at a site may be volatile hydrocarbons that are easily strippable, it is not uncommon to have some non-volatile hydrocarbons present in the water that will not strip. Over time, these can cause organic and tar deposits on stripper internals leading to reduced performance and eventual shutdown.

treatment

Proper treatment levels for Butaclean 4701 depend on many factors, such as the severity of the problem, the nature of the deposits, and other particular conditions of a given installation.

This product should be used in accordance with control procedures established by SUEZ for each specific application.

Butaclean 4701 has proven effective at controlling organic deposits when fed continuously, at temperatures up to 121°C (250°F). Although typical treatment levels range between 5 and 50 ppm (mg/L) based on system circulation rate, some severe applications can require dosages as high as 500 ppm.

When using Butaclean 4701, some degree of foaming may occur, depending on water quality and product dosage. Testing for foaming tendency should be done prior to injection. If foaming does occur, it may be controlled with low dosages of a SUEZ defoamer.

feeding

Butaclean 4701 may be fed neat (undiluted) directly from the shipping container or may be diluted with water to a convenient strength. Continuous feed is recommended for optimum performance.

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

Due to its -2°C [28°F] freeze point, protect this product from freezing.

evaluation

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

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safety precautions

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

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