

Berol[®] LFG 61

High performance surfactant blend for I&I cleaning

AkzoNobel



Eco-friendly, low foaming nonionic surfactant blend

Berol LFG 61 is a very low foaming blend of alcohol ethoxylate and alkylglucoside

High alkaline stable and low foaming for industrial cleaning

Berol LFG 61 has both wetting and defoaming properties in high caustic on protein foam. This property makes Berol LFG 61 suitable for use in re-circulating cleaning processes (CIP – Cleaning In Place) within the food industry.

Eco-friendly product for Food & Beverage cleaning

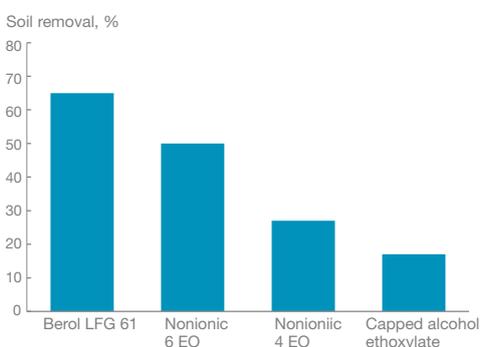
In recirculating cleaning processes, such as CIP, machine dishwashing and rinse aids, the defoaming properties are very important. Today end-blocked alcohol ethoxylates have replaced the old block polymers as defoaming agents and most of these products do not fulfill the environmental demands of today. Berol LFG 61 is readily biodegradable.

Main applications

The low foaming and high caustic stability of Berol LFG 61 makes it attractive for the following applications:

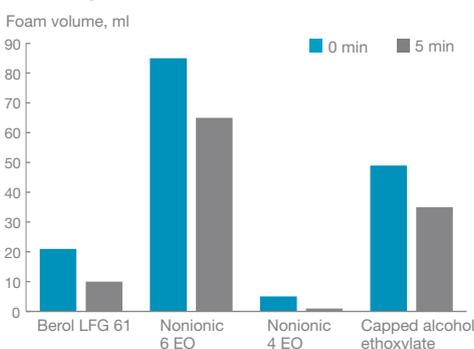
- CIP
- Food & Beverage cleaning
- Breweries and Dairy cleaning
- Machine dishwashing
- Industrial cleaning
- Metal cleaning

Mechanical scrub test



Formulation (7% Surfactants + 8% TKPP + SXS) diluted at 10 g/l. Berol LFG 61 gives the best soil removal compared to other surfactants.

Foaming properties



Machine floor cleaner formulation (7% Surfactants + 8% TKPP + SXS) diluted at 10 g/l. Berol LFG 61 gives low foaming properties similar to nonionic 4 EO.

How to use Berol LFG 61

The solubility of Berol LFG 61 in water increases with increased concentration of alkali. Berol LFG 61 is soluble in 40% NaOH if the surfactant concentration is >1%.

If some complexing agents also are required, the concentration of Berol LFG 61 has to be increased. Sodium phosphonate and sodium gluconate are easiest to solubilize in high caustic. NTA, EDTA and GLDA are also possible to use, but the amount of Berol LFG 61 has then to be further increased.



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