

# Product Fact Sheet



## HOSTAPUR<sup>®</sup> OS LIQ

### Anionic Surfactant for Industrial Applications

#### COMPOSITION

Alpha-olefin sulfonate, sodium salt in aqueous solution

#### PRODUCT PROPERTIES<sup>\*)</sup>

<b>Dry substance content</b>	About 42% in water
<b>Appearance at 25°C</b>	Yellowish clear liquid
<b>Density at 25°C (DIN 51757)</b>	About 1.07 g/cm <sup>3</sup>
<b>Solubility at 25°C</b>	Hostapur OS liq can be mixed with water.
<b>pH of a 1% aqueous solution</b>	About 6 - 8
<b>Sodium sulfate content</b>	Max. 3%
<b>Compatibility</b>	Hostapur OS liq is compatible with nonionic and anionic surfactants.
<b>Biodegradability</b>	Hostapur OS liq is readily biodegradable.
<b>FDA Listing</b>	FDA Chapter 21 § 175.105, § 178.3400
<b>Storage conditions</b>	Prolonged storage at temperatures > 30 °C can lead to gel formation on the surface of the product, in particular in drums and containers. After stirring the gel phase is destroyed and the product is again ready for usage. If product is stored at a temperature of < 20 °C, the active substance may precipitate. The product can be re-homogenized by stirring and heating. It is not allowed to heat the product above 50 °C.
<b>Shelf life</b>	1 year under proper storage at 15-30 °C. During longer storage the pH of the product may drop due to hydrolysis.

<sup>\*)</sup> These characteristics are for guidance only and are not to be taken as product specifications. The tolerances are given in the product specification sheet. For further information on product properties, toxicological, ecological and safety data, please refer to the safety data sheet.

#### USE

Hostapur OS liq has strong wetting, cleaning and foaming characteristics. The foam quality is excellent with high stability.

Hostapur OS liq is used in various industrial and consumer applications encompassing detergents for domestic, institutional and industrial cleaning, usage as processing aid in the textile, leather and chemical industry and as air entraining agent in the construction industry.

#### DETERGENTS

Hostapur OS liq is used in the production of detergents and cleaning agents. It is particularly suitable for the use in foam cleaners for upholstery and carpets, because of the low stickiness of the residues left on the fibers.

#### TEXTILE AND LEATHER PROCESSING

Hostapur OS liq is also used in the textile and leather industry as a wetting agent, detergent and foaming agent.

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## EMULSION POLYMERIZATION

Hostapur OS liq is used as emulsifier in emulsion polymerization of styrene / butadiene latex, styrene / butadiene rubber and acrylate and styrene / acrylate dispersions. in general 0,5 – 5,0 % Hostapur OS liq based on monomers is used in emulsion polymerization.

## BUILDING AND CONSTRUCTION

Hostapur OS liq is used as air entraining agent in concrete, mortar and plasters to improve the resistance against ice pressure during freezing.

Hostapur OS liq is particularly stable against calcium ions which are largely present on the wet concrete. Compared to other air entraining agents like e.g. sodium alkyl sulfates Hostapur OS liq is more efficient and requires lower dosages to produce the same air content.

On particular application for Hostapur OS liq are road pavements made of concrete. Hostapur OS liq is added to the concrete mixture to produce microfoam with an average diameter of below 300 µm and stabilizes the required 4 – 5% air after short agitation of 30 seconds. The Dosage of Hostapur OS liq varies between 0,01 – 0,03% based on the cement or approximately 0,03 – 0,10 kg/m<sup>3</sup> wet concrete.

Further building applications are mortars, plasters and gypsum board

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