

Product Fact Sheet



HOSTAPAL[®] BV CONC.

Anionic emulsifier for the chemical industry

COMPOSITION

Tributyl phenol polyethylene glycol ether sulfate, sodium salt

PRODUCT PROPERTIES^{*)}

Active substance content	ca. 51 %
Appearance at 20 °C	colourless to yellowish paste
pH value (DIN EN 1262), 1% in water	ca. 7,0 – 8,5
Solubility at 20 °C	soluble in water
Density (DIN 51757) at 50 °C	about 1,06 g/cm ³
Viscosity at 20 °C (Brookfield, spindle 3, 20 rpm)	about 2700 mPa*s
Electrolyte content	max. 0,5 %
Melting Point	ca. 0 °C
Boiling point	> 100 °C
Flash point (DIN/ISO 2592)	> 200 °C

Compatibility
Hostapal BV conc., as an anionic surfactant, is compatible with other anionic and nonionic surfactants. With cationic surfactants, water-insoluble neutral salts are formed.
Hostapal BV conc. is resistant to caustic soda and water hardness. It acts as a lime soap dispersant and has high dispersing power for water-insoluble substances. In mineral acid solutions at elevated temperatures, Hostapal BV conc. like all ether sulfates tends to hydrolyse.

BfR -Listing** BfR Teil A II, XIV

^{*)} 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.

^{**)} Bundesinstitut für Risikobewertung

USE

1. EMULSION POLYMERIZATION

Hostapal BV conc. is used as emulsifier in the polymerization of the following monomers:

- vinyl acetate together with other vinyl esters, acrylates, vinyl chloride and ethylene
- for acrylic and styrene / acrylic dispersions
- for butadiene / styrene latex.

The use of Hostapal BV conc. allows to produce polymer dispersions with a controlled particle size and with low coagulation. The polymer dispersion produced with Hostapal BV conc. shows high stability against electrolytes, time and temperature. It is normally used in concentrations of 1.0 – 5.0 %, preferably 2.0 – 3.0 %, based on the monomers.

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2. PIGMENT PREPARATIONS

Hostapal BV conc. is also employed as an emulsifier for oils and organic solvents and as a dispersing agent for inorganic and organic pigments such as titanium dioxide, iron oxides, metal pigments, polycyclic organic pigments and metal complex pigments. Hostapal BV conc. is used as dispersing agent for pigment pastes and pigment preparations in paper printing inks, textile printing pastes, ink-jet inks and in coatings and paints.

Generally a usage of 5 - 15 % based on inorganic pigments and 10 - 40 % based on organic pigments is sufficient.

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