

Product Fact Sheet



GENAPOL[®] X 1005

Nonionic emulsifier and dispersing agent

COMPOSITION

Isotridecyl polyethylene glycol ether with 100 mole ethylene oxide

PRODUCT PROPERTIES^{*)}

Active substance content	About 50 % (solvent about 50 % water)
Appearance	At 5°C: clear, colourless, viscous liquid At 25°C: clear, colourless liquid At 50°C: clear, colourless liquid
pH value (DIN EN 1262), 5% as is in water	5 - 8
Solubility at 20 °C	clear soluble in water
Density at 25 °C	approx. 1.08 g/cm ³
Viscosity at 25 °C (Brookfield, Spindle LV1)	About 1300 mPas
Flash point (DIN/ISO 2592)	> 100 °C
Critical Micelle Concentration	4,5 g/l active material in water
Surface Activity at 1 g/l active substance	About 45 mN/m
HLB value	about 19
Handling and Storage	Below 5 °C Genapol X 1005 forms a gel. Before use heating and stirring is necessary.
FDA / BgVV* Listing	FDA Chapter 21 § 176.200, § 181.30 BgVV Teil A VI, XIV, XXXIV

^{*)} 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.

^{**)} Bundesamt für gesundheitlichen Verbraucherschutz und Veterinärmedizin

USE

EMULSION POLYMERIZATION

Genapol X 1005 can be used in emulsion polymerization to reduce coagulation and to improve electrolyte resistance and freeze/thaw stability. Genapol X 1005 is added to the emulsion before, during or after the polymerization process. Dosages: 0,5 – 3,0% on monomers.

BITUMEN EMULSIONS

Genapol X 1005 can be used as emulsifier for slowly breaking bitumen emulsions. Dosages: 0,5 – 1,5% on the emulsion.

PIGMENT PREPARATIONS

Genapol X 1005 improves the stability and reduces the viscosity and thixotropic behaviour of pigment preparations. Dosages: 3 – 6% on the preparation.

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