

Product Fact Sheet



GENAPOL[®] X 307

Nonionic emulsifier for emulsion polymerization

COMPOSITION

Isotridecyl polyethylene glycol ether with 30 mole ethylene oxide

PRODUCT PROPERTIES^{*)}

Active substance content	about 70 % with 30% water
Appearance	at 5°C: white paste at 25°C: clear, colourless liquid at 50°C: clear, colourless liquid
pH value (DIN EN 1262), 5 % as is in water	6 - 8
Solubility at 25 °C	clear soluble in water
Density at 25 °C	approx. 1.08 g/cm ³
Viscosity at 25 °C (Brookfield, Spindle LV1)	about 700 mPas
Flash point (DIN/ISO 2592)	> 100 °C
Critical Micelle Concentration	0,88 g/l active material in water
Surface Activity at 1 g/l active substance	about 38 mN/m
HLB value	about 17
Handling and Storage	Below 15°C Genapol X 307 starts crystallisation, after heating up at 30°C Genapol X 307 turns into a clear liquid again.
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

The use of Genapol X 307 in emulsion polymerization of vinyl acetate, acrylate and acrylate / styrene dispersions reduces coagulation and improves electrolyte resistance and freeze/thaw stability.

Genapol X 307 is added to the emulsion either before, during or after the polymerization process.

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