

Product Fact Sheet



GENAPOL[®] X 407

Nonionic emulsifier for emulsion polymerization

COMPOSITION

Isotridecyl polyethylene glycol ether with 40 mole ethylene glycol

PRODUCT PROPERTIES^{*)}

Active substance content	about 70 % with 30 % water
Appearance	at 5°C: clear, colourless 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
Density at 20 °C	approx. 1.09 g/cm ³
Viscosity at 25 °C (Brookfield DV II, Spindle 4)	about 2300 mPas
Flash point (DIN/ISO 2592)	> 100 °C
Cloud point (1% active substance in 10% aqueous NaCl-solution)	approx. 78°C
Solubility at 20 °C	soluble in water
HLB value	about 18
Handling and Storage	Below 20°C Genapol X 407 starts crystallisation, after heating up at 40°C Genapol X 407 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 407 in emulsion polymerization of vinyl acetate, acrylate and acrylate / styrene dispersions reduces coagulation, 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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