

Product Fact Sheet



EMULSOGEN[®] EPN 407

Nonionic emulsifier for emulsion polymerization

CLARIANT INTERNATIONAL LTD

COMPOSITION

Oxoalcohol polyethylene glycol ether with 40 moles ethylene oxide

Rothausstrasse 61
4132 Muttenz
Switzerland

PRODUCT PROPERTIES¹⁾

Active substance content	About 70 %
Appearance at 25 °C	Clear, colourless liquid
pH value (DIN EN 1262), 1% in water	5 - 8
Solubility at 20 °C	Soluble in water
HLB value	About 18
Density (DIN 51757) at 20 °C	Approx. 1.09 g/cm ³
Viscosity (DIN 53015) at 25 °C	About 1000 mPa*s
Crystallisation temperature	About 15 °C. When frozen, Emulsogen EPN 407 needs to be heated up at 40° for clarification.
Flash point (DIN/ISO 2592)	About 210 °C
FDA / BfR** Listing	FDA Chapter 21 § 175.105, 176.170, 176.180, 181.30 BgVV Teil A XIV, XXXIV

BUSINESS UNIT INDUSTRIAL &
CONSUMER SPECIALTIES

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¹⁾ 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

Emulsogen EPN 407 is used in polymerization of vinyl acetate together with other vinyl esters, acrylates, vinyl chloride and ethylene, for acrylate and styrene / acrylate dispersions and for butadiene / styrene latex.

The use of Emulsogen EPN 407 reduces coagulation and improves electrolyte resistance and freeze/thaw stability. Emulsogen EPN 407 is added either during or after polymerization.

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