

Product Fact Sheet



EMULSOGEN[®] EPN 118

Nonionic emulsifier for emulsion polymerization

CLARIANT INTERNATIONAL LTD

COMPOSITION

Oxoalcohol polyethylene glycol ether with 11 mole ethylene oxide

Rothausstrasse 61
4132 MuttENZ
Switzerland

PRODUCT PROPERTIES¹⁾

Active substance content	about 80 %
Appearance at 20 °C	clear, colourless liquid
pH value (DIN EN 1262), 1% in water	6 - 8
Solubility at 20 °C	soluble in water
HLB value	about 15
Density (DIN 51757) at 20 °C	approx. 1.044 g/cm ³
Viscosity (DIN 53015) at 25 °C	about 150 mPas
Crystallization temperature	below 10°C
Flash point (DIN/ISO 2592)	> 200 °C
FDA / BgVV** Listing	FDA Chapter 21 § 181.30 BgVV Teil A XIV, XXXIV

BUSINESS UNIT INDUSTRIAL &
CONSUMER SPECIALTIES

www.ics.clariant.com
www.clariant.com

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.

** Bundesamt für gesundheitlichen Verbraucherschutz und Veterinärmedizin

USE

EmulsoGen EPN 118 is used in 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 EmulsoGen EPN 118 reduces coagulation and improves electrolyte resistance and freeze/thaw stability. EmulsoGen EPN 118 is added either during or after polymerization.

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Clariant makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Clariant's products for its particular application. * Nothing included in this information waives any of Clariant's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Clariant products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Clariant.

For sales to customers located within the United States and Canada the following applies in addition:

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE.

© Trademark of Clariant registered in many countries
© 2012 Clariant International Ltd



CLARIANT INTERNATIONAL LTD