

Product Fact Sheet



EMULSOGEN[®] LCN 407

Nonionic emulsifier for industrial applications

CLARIANT INTERNATIONAL LTD

COMPOSITION

Alkyl polyethylene glycol ether with 40 mole ethylene oxide

Rothausstrasse 61
4132 MuttENZ
Switzerland

PRODUCT PROPERTIES^{*)}

Active substance content	about 70% in water
Appearance	at 5°C: white pasty product at 25°C: clear liquid at 50°C: clear liquid
Density at 25°C (DIN 51757)	about 1.09 g/cm ³
Viscosity (Brookfield, spindle 4, 25°C)	about 640 mPa*s
Flash point (DIN/ISO 2592)	> 100°C
pH of a 1% aqueous solution	About 6 – 8
Solubility in water	EmulsoGen LCN 407 is soluble in water in any ratio to produce a clear solution.
Surface Activity	c.m.c.: > 10 g/l based on active material lowest observed surface tension: < 38 mN/m
Crystallization point	about 10°C
Biology	EmulsoGen LCN 407 is ready biodegradable and contains no additional biocides.

BUSINESS UNIT INDUSTRIAL &
CONSUMER SPECIALTIES

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^{*)} 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.

USE

EmulsoGen LCN 407 is used as an emulsifiers for emulsion polymerization improving the shear, temperature and electrolyte stability of polymer dispersions. Recommended usage: 2 % active based on monomers.

EmulsoGen LCN 407 is used as a dispersing agent for emulsion paints to improve the scrub resistance.

EmulsoGen LCN 407 can be diluted with water at room temperature without forming an strong gel phase.

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