

Product Fact Sheet



EMULSOGEN[®] LCN 070

Nonionic emulsifier for industrial applications

CLARIANT INTERNATIONAL LTD

COMPOSITION

Alkyl polyethylene glycol ether with 7 mole ethylene oxide

Rothausstrasse 61
4132 MuttENZ
Switzerland

PRODUCT PROPERTIES^{*)}

Active substance content	about 100%
Appearance	At 5°C: cloudy liquid At 25°C: clear to cloudy liquid At 50°C: clear liquid
Density at 25°C (DIN 51757)	About 1.00 g/cm ³
Viscosity (Brookfield, spindle 4, 25°C)	About 100 mPa*s
Flash point (DIN/ISO 2592)	About 148°C
pH of a 1% aqueous solution	about 6 – 8
Solubility in water	EmulsoGen LCN 070 is soluble in water in any ratio to produce a clear solution.
Crystallization point	About 15-20°C
Surface Activity	Critical micelle concentration: about 0,5 g/l a.s. surface tension at 1 g/l a.s.: about 26 mN/m
Biology	EmulsoGen LCN 070 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 070 can be used for the following applications:

- as **wetting agent** for industrial applications in aqueous solutions of 1 - 5 g/l
- as wetting and **dispersing agent** in paints and coatings for fillers and pigments in concentrations of 0,5 - 1,0 %
- as **emulsifier for O/W - emulsions** of oils, fats, silicon oils and polyolefin wax emulsions in concentrations of 5- 10 %
- as **emulsifier for emulsion polymerization** in recommended levels of 1 - 2 % based on monomers.

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