

Product Fact Sheet



EMULSOGEN[®] EPA 073

Anionic emulsifier, wetting and dispersing agent

CLARIANT INTERNATIONAL LTD

COMPOSITION

Alkyl polyethylene glycol ether sulphate with 7 mole ethylene oxide, sodium salt

Rothausstrasse 61
4132 MuttENZ
Switzerland

PRODUCT PROPERTIES^{*)}

Active substance content	About 28% in water
Appearance	
At 5°C	clear, colourless liquid
at 20°C	clear, colourless liquid
at 45°C	clear, colourless liquid
pH value (DIN EN 1262), 1% in water	About 7
Solubility at 20 °C	Soluble in water
Density (DIN 51757)	At 20°C: about 1,05 g/cm ³ At 50°C: about 1,03 g/cm ³
Viscosity (Hoeppler) at 25 °C	About 40 mPas
Boiling point	About 100°C
Flash point	> 100°C
Electrolyte content	< 0,5%
Surface Activity and CMC	At 5 g/l active substance in water: About 38 mN/m Critical micelle concentration: About 1 g/l active substance
BfR** Listing	Teil A Kapitel XIV, XXXIV
FDA*** Notifications for Food Contact Substances	For use as an emulsifier in the production of acrylic and modified acrylic polymers and vinyl acetate copolymers used as pigment binders in coatings for paper and paperboard complying with 21 C.F.R. Sections 176.170 and 176.180 in contact with all types of food.

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.

^{**)} Bundesinstitut für Risikobewertung

^{***)} U.S. Food and Drug Administration

USE

Emulsogen EPA 073 is an anionic surfactant for industrial applications like the following:

EMULSION POLYMERIZATION

Emulsogen EPA 073 is used as an emulsifier for emulsion polymerization of monomers like styrene, acrylic acid esters, methacrylic acid esters and vinyl acetate. The use of Emulsogen EPA 073 offers the following advantages:

- production of polymer dispersions with controlled particle size
- very low grit levels at high solid contents.

Usage levels: 0,5 – 5,0 % based on monomers.

PIGMENT PREPARATIONS

Emulsogen EPA 073 is used as a wetting agent for inorganic and organic pigments in preparations

- at high pigment loads
- at low viscosity
- high temperature stability and shelf life.

Usage levels: 15 – 80 % based on the pigments.

EMULSIONS OF SOLVENTS, OILS AND WAXES IN WATER

Emulsogen EPA 073 produces stable, low foaming emulsions of organic solvents, hydrocarbons, oils and waxes in water.

Usage levels: 1 – 20 g/l Emulsogen EPA 073 in the emulsion.

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