



IOI OLEOCHEMICAL

PHARMA

SOFTIGEN[®] 767

TECHNICAL DATA SHEET

Ph. Eur. (current version): Macrogol 6 Glycerol Caprylocaprate

DESCRIPTION

SOFTIGEN® 767 is the ethoxylation product of medium chain partial glycerides with glycerol. The fatty acids and the glycerol are based on vegetable sources.

APPLICATION

SOFTIGEN® 767 is a surface active, water soluble clear liquid which serves as refatting, solubilizing and wetting agent in pharmaceutical formulations.

In numerous formulations, especially those containing surfactants, SOFTIGEN® 767 decreases the viscosity. Therefore higher amounts of detergents can be used in liquid preparations (see figures 1 and 2 on page 3).

CHEMICAL AND PHYSICAL PROPERTIES

Tests	Values	Typical values	Units	Methods
Acid value	max. 5.0	0.1	mg KOH/g	Ph. Eur. 2.5.1
Saponification value	85 – 105	92	mg KOH/g	Ph. Eur. 2.5.6
Hydroxyl value	165 – 225	188	mg KOH/g	Ph. Eur. 2.5.3
C₈ fatty acid	50.0 – 80.0	58	%	Ph. Eur. 2.4.22
C₁₀ fatty acid	20.0 – 50.0	41	%	Ph. Eur. 2.4.22
Dioxane	max. 10	1	ppm	Ph. Eur. 2.4.25
Free ethylene oxide	max. 1	1	ppm	Ph. Eur. 2.4.25
HLB value	~ 14			

SOFTIGEN® 767 fully complies with the requirements of the current Ph. Eur. monograph “Macrogol 6 Glycerol Caprylocaprate”.

Above mentioned tests are a selection of relevant parameters and do not represent the complete current sales specification.

SOFTIGEN® 767 is a viscous (see figures 1 and 2) pale to slightly yellow liquid with a neutral odour. The density is 1.08 g/cm³ at 20 °C.



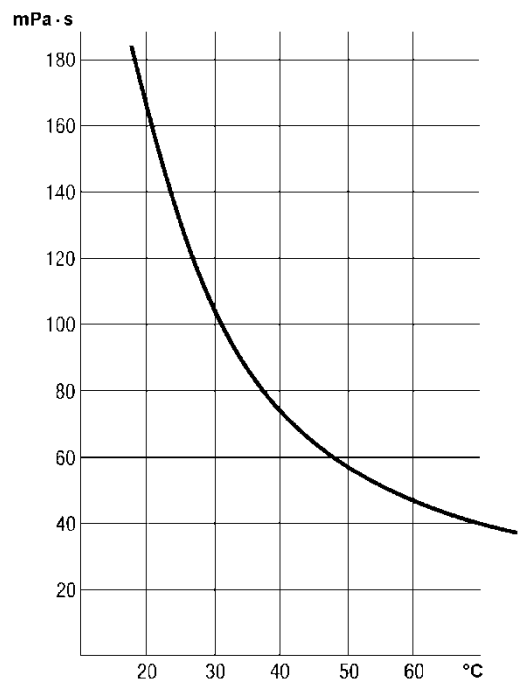


figure 1) Viscosity of SOFTIGEN® 767 relation to temperature

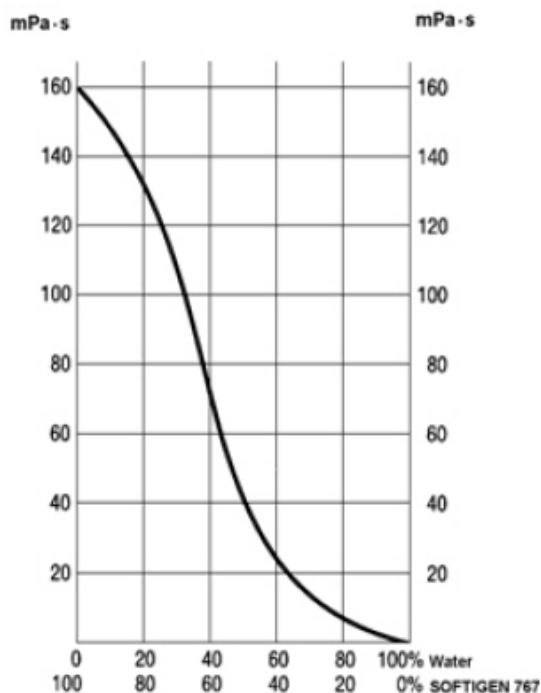


figure 2) Viscosity of aqueous in SOFTIGEN® 767 mixtures

The Critical Micelle forming Concentration (CMC) at 23°C is 6×10^{-3} mol/l.

PACKAGING UNITS

HDPE containers of 25 kg net, steel drums with an inner lacquer lining of 200 kg net, HDPE IBC containers of 1.000 kg net.

HANDLING AND SHELF LIFE

If stored longterm in original tightly closed containers, dry, protected from light and moisture and below 25°C, the shelf life then is at least three years.

IOI Oleo GmbH

Hamburg, Germany | +49 40 28 00 31-0
pharma@ioioleo.de | www.ioioleo.de

In particular, IOI Oleo GmbH makes no representations or warranties, neither express nor implied, of merchantability, itness for a particular purpose that the products to which the information refers may be used without infringing the intellectual property rights of others, or of any other nature hereunder with respect to the information or the products to which the information refers. In no case shall the information be considered a part of our Terms and Conditions of Sale.

