

SYNATIVE ES EHO V

Composition

2-Ethylhexyl-oleate (vegetable)

Quality Control Data

(These data are used for quality release and are certified for each batch.)

Item		Value	Method / Remarks
Acid Value:		< 0,5	DGF C-V2 DIN 53402
Saponification Value:		140 - 150	DGF C V 3 DIN 53401
Density:	20 °C	0,860 - 0,870 g/cm ³	DIN 51757 V 4
Viscosity:	40 °C	7,2 - 8,8 mm ² /s	DIN 51562

Additional Specifications

(Guaranteed specification values which are not determined on a regular basis.)

Item		Value	Method / Remark
Pour Point:		max. -15 °C	DIN ISO 3016
Hydroxyl Value:		max. 0,8	DIN 53240 DGF C-V 17a
Density:	15 °C	0,861 - 0,871 g/cm ³	DIN 51757 V 4
2-Ethylhexanol		max. 0,2 %	Q-C 1077.0

Properties & Use

Even after long exposition to high temperature the odour of **SYNATIVE ES EHO V** is very good. It may be used as basestock for quenching oils.*)

Due to the excellent heat-stability, a good lubricity and the low Noack volatility **SYNATIVE ES EHO V** is suitable for the formulation of high-performance cutting oils.*)

Its outstanding hydrolytical stability, combined with a good lubricity, makes **SYNATIVE ES EHO V** an excellent ester component for water-miscible metalworking fluids.

*)We recommend the addition of antioxidants, e. g. Butylhydroxytoluene (BHT).

Additional Technical Data

Iodine value (DGF C - V 11 b)	62 - 72	
Kinematic viscosity (DIN 51562 part 1)		
at 100°C	2,7	mm ² /s
Viscosity index (DIN ISO 2909)	min. 180	
Flash point (DIN ISO 2592)	min. 180	°C
Noack volatility (DIN 51581)	max. 22	%

The product can be stored for at least 2 years at ambient storage conditions and temperature without any deterioration.

Information provided in this technical literature is believed to be accurate. However, Cognis assumes no liability and makes no warranty or representation that the information is correct or complete. Final determination of suitability of any material and issues of patent infringement are the sole responsibility of the user who alone knows the conditions of intended use.

Cognis GmbH

/ SYNATIVE ES EHO V