

## Technical Data Sheet

<b>Product Name</b>	<b>EPOil WH417LV</b>	
<b>Description</b>	Low viscosity, light-coloured, active, sulphurised extreme pressure additive. Produced from vegetable derived, lubricity enhancing, fatty acid esters. Product is chlorine and heavy metal free.	
<b>Application</b>	The high film strength and lubricity characteristics, combined with active sulfur content of EPOil WH417LV make it ideal for use as an EP additive in metalworking fluids for ferrous materials. Can also be used with yellow metals when combined with a corrosion inhibitor such as EPOil C130. <u>Typical treatment rates:</u> Deep drawing / drilling / broaching: 10 - 20% Heavy duty cutting fluids: 5 - 15% Honing / grinding fluids: 5 - 10%	
<b>Health and safety/ Transport</b>	Not classified under CLP or transport regulations. Refer to SDS for further information.	
<b>Product Handling</b>	EPOil WH417LV has a pour point below 0°C.	
<b>Typical Properties</b>	<b>Method</b>	
<b>Relative density @ 15.6°C</b>	<b>ASTM D4052-11</b>	<b>0.970 - 0.990</b>
<b>Kinematic viscosity @ 40°C</b>	<b>IP 71 Section 1/97, cSt</b>	<b>40.0 - 70.0</b>
<b>Colour<sup>1</sup></b>	<b>ASTM D1500-12</b>	<b>2.0 max</b>
<b>Copper corrosion<sup>2</sup></b>	<b>IP 154/2000, 3h @ 100°C</b>	<b>Class 4 min</b>
<b>Total sulphur</b>	<b>IP 242/83, % w/w</b>	<b>16.5 - 17.5</b>
<b>Solubility<sup>1</sup></b>	<b>HB01</b>	<b>Complete</b>
Kinematic viscosity @ 100°C	IP 71 Section 1/97, cSt	9
Active sulphur	ASTM D1662-08, % w/w	7
Load carrying ability <sup>1</sup>		
Weld load, 60s	IP 239/2007	300 kg
Wear scar, 1h @ 20kg	IP 239/2007	0.57 mm
Weld Load, 60s	DIN 51350-2	2900 - 3000 N
Wear scar, 1h @ 300N	DIN 51350-3 (B)	0.60 mm
<b>Packaging</b>	200 kg net drums / 1000 kg net IBCs / bulk	
<b>Shelf life</b>	12 months if stored in the dry at less than 40°C	

**Properties in bold are specification tests.** Other data is provided as additional information obtained as typical values.

<sup>1</sup> = Blend of 5% EPOil WH417LV in SN100

<sup>2</sup> = Blend of 10% EPOil WH417LV in SN100



All technical information, verbal or in writing is offered in good faith but is for guidance only. It does not release you from the obligation to test the product supplied to ensure suitability for the intended purpose. The application, use and processing of the product are beyond our control, and thus entirely your responsibility. Any liability for damage will be limited to the value of goods delivered to you. We will only provide goods of consistent quality, which conform to specification.