



## Technical Data Sheet

<b>Product Name</b>	<b>EPoil WH115</b>	
<b>Description</b>	Inactive, medium viscosity, sulphurised extreme pressure additive manufactured from vegetable oil fatty acids and methyl esters.	
<b>Application</b>	Ideal for use as an EP additive in neat metalworking fluids, greases, slideways, bearings, gears, cutting oils and more. Moderate to low active sulphur enhances load carrying capabilities but with yellow metal compatibility. <u>For blending into:</u> Cutting oil (ferrous and non ferrous metals): ~ 5 - 10% Metal working lubricant, e.g. cold forging / drawing: ~ 20%.	
<b>Health and safety/Transport</b>	Not classified under CLP or transport regulations. Refer to SDS for further information.	
<b>Product Handling</b>	WH115 has a pour point below -5°C	
<b>Typical Properties</b>	<b>Method</b>	
<b>Relative density @ 15.6°C</b>	<b>ASTM D4052-11</b>	<b>0.990 - 1.010</b>
<b>Kinematic viscosity @ 40°C</b>	<b>IP 71 Section 1/97, cSt</b>	<b>500 - 750</b>
<b>Colour<sup>1</sup></b>	<b>ASTM D1500-12</b>	<b>2.0 max</b>
<b>Copper corrosion<sup>1</sup></b>	<b>IP 154/2000, 3h @ 100°C</b>	<b>Class 1 max</b>
<b>Total sulphur</b>	<b>IP 242/83, %w/w</b>	<b>15.0 - 16.0</b>
<b>Solubility<sup>1</sup></b>	<b>HB01</b>	<b>Complete</b>
Kinematic viscosity @ 100°C	IP 71 Section 1/97, cSt	55
Active sulphur	ASTM D1662-08, %w/w	5
Load carrying ability <sup>1</sup>		
Weld load, (60s)	IP 239/2007	320 kg
Wear scar, 1 hour / 20kg	IP 239/2007	0.42 mm
Weld load, (60s)	DIN 51350-2	3100 - 3200 N
Wear scar, 1 hour / 300N	DIN 51350-3 (B)	0.47 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.

1 Blend of 5% EPoil WH115 in 100SN



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.

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