

Technical Data Sheet

Product Name	EPoil WH110	
Description	Inactive, medium viscosity, sulphurised extreme pressure additive manufactured from vegetable derived fatty acids and methyl esters.	
Application	<p>The low active sulphur level makes EPoil WH110 ideal for use in the manufacture of EP compounded lubricants of light colour and low odour. Can be used in metalworking fluids, greases, slideways oils, and cutting fluids. Suitable for both ferrous and non-ferrous metals.</p> <p><u>For blending into:</u></p> <p>Metal working fluids: ~ 20%</p> <p>EP cutting / slideway oil: ~ 5 - 10%</p>	
Health and safety/ Transport	Not classified under CLP or transport regulations Refer to SDS for further information	
Product Handling	WH110 has a pour point below 0°C	
Typical Properties	Method	
Relative density @ 15.6°C	ASTM D4052-11	0.955 - 0.975
Kinematic viscosity @ 40°C	IP 71 Section 1/97, cSt	200 - 300
Colour¹	ASTM D1500-12	2.0 max
Copper corrosion²	IP 154/2000, 3h @ 100°C	Class 1 max
Total sulphur	IP 242/83, %w/w	9.5 - 10.5
Solubility¹	HB01	Complete
Kinematic viscosity @ 100°C	IP 71 Section 1/97, cSt	25
Active sulphur	ASTM D1662-08, %w/w	1
Load carrying ability ¹		
Weld load, (60s)	IP 239/2007	280 kg
Wear scar, 1h / 20kg	IP 239/2007	0.32 mm
Weld load, (60s)	DIN 51350-2	2600 - 2800 N
Wear scar, 1 hour / 300N	DIN 51350-3 (B)	0.44 mm
Packaging	200 kg net drums / 1000 kg net IBCs / bulk	
Shelf life	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 WH110 in 100SN

² = Blend of 10% EPoil WH110 in 100SN



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