

Supplier - ARKEMA

**VPS 15***Fatty Ester Triglyceride**Vegetable Poly-Sulfdes***Typical Properties**

Appearance	Clear Brown Fluid
Color,Gardner	< 6.5
Viscosity@40°C,cSt	550 - 750
Copper Corrosion <sup>+</sup>	≤ 1b
Sulfur Content(Active),%wt	14.5 - 16.0 (8)
H <sub>2</sub> S Test,Acetate Paper Color	< 3
Specific Gravity	0.980
Average Weight,lbs/gal	7.9
Flash Point,°C	> 100
Pour Point,°C	≤ -10
P <sub>B</sub> / P <sub>D</sub> ++	80 / 400
Load Wear Index <sup>++</sup>	62
4 Ball Wear(IP239,40kg,1h),mm	0.76
Reichert Test(300N Load),mm <sup>2</sup>	0.8

<sup>+</sup> 10%, 3h, 100<sup>++</sup> 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil**Product Description**

**VPS 15** is a light brown liquid with very slight odor and no chlorinated impurities. It is a lubricity-enhancing agent for industrial and metal working formulations, which also provides anti-ear and extreme pressure properties. It does not corrode copper alloys.

**VPS 15** is recommended for the formulation of metal working fluids especially when working with copper and its alloys. Its EPS properties are enhanced when combined with Arkema Inc.'s **TPS** products (**TPS 20** is particularly recommended).

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