

Supplier - ARKEMA  
**TPS 44**  
*Dialkyl Tri-sulfide*  
*Tertiaryalkyl Poly-Sulfides*

### Typical Properties

Appearance	Clear Light Yellow Fluid
Sulfur Content(ASTM D4794),%wt	42 - 46
Flash Point(ASTM D93,Closed Cup),°C	≥ 70
Density@20°C	1.010
Viscosity@20°C,mPa.s	4
Pour Point,°C	≤ 10
Melting Point,°C	≤ 3
Boiling Point,°C	178
Vapor Pressure@20°C,hPa	< 0.1
Color (ASTM D1544),Gardner	4
P <sub>B</sub> / P <sub>D</sub> +	63 / 400
Load Wear Index <sup>+</sup>	64
4 Ball Wear(IP239,40kg,1h), mm	0.85
Reichert Test(300N Load),mm <sup>2</sup>	2.6
Copper Corrosion <sup>++</sup>	≤ 1b

<sup>+</sup> 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil

<sup>++</sup> ASTM D130, 2.3%, 3h, 121

### Product Description

**TPS 44** is a yellow liquid with a low viscosity and a slight odour. It does not contain any chlorinated impurity or insaturated hydrocarbon.

**TPS 44** is totally soluble in most common hydrocarbon solvents such as benzene, toluene, white spirit, fuels. It is fully compatible with mineral and vegetable oils. It is slightly soluble in light alcohols but not soluble in water.

**TPS 44** is an extreme pressure additive for metal working fluids and industrial lubricants (gear oils).

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