

Supplier - ARKEMA

**TPS 20***Dialkyl Polysulfide**Tertiaryalkyl Poly-Sulfides*

### Typical Properties

|                                           |                          |
|-------------------------------------------|--------------------------|
| Appearance                                | Clear Light Yellow Fluid |
| Sulfur Content(ASTM D4794),%wt            | 20 - 23                  |
| Color(ASTM D1544),Gardner                 | 2                        |
| Copper Corrosion(ASTM D130)               | ≤ 1b                     |
| Flash Point(ASTM D93,Closed Cup),°C       | ≥ 121                    |
| Specific Gravity@20°C                     | 0.950                    |
| Viscosity@20°C,mPa.s                      | 208                      |
| Viscosity@40°C,mPa.s                      | 53                       |
| Pour Point,°C                             | ≤ -20                    |
| Refraction Index                          | 1.514                    |
| Vapor Pressuse@20°C,hPa                   | 0.03                     |
| P <sub>B</sub> / P <sub>D</sub> +         | 76 / 250                 |
| Load Wear Index                           | 50                       |
| Four-Ball Wear (IP239,40kg,1h),mm         | 0.78                     |
| Reichert Test (300N Load),mm <sup>2</sup> | 4                        |

\* 4 Ball EP, ASTM D2783, 5% in Paraffinic Base Oil

### Product Description

**TPS 20** is a pale yellow liquid. It has a very slight odor and does not contain any chlorinated impurity or unsaturated hydrocarbon.

**TPS 20** is soluble in mineral oils and synthetic base oils and most common solvents. It is insoluble in water.

**TPS 20** is an extreme pressure additive for lubricants. TPS 20 does not corrode copper. Its tertiary dodecyl chain being extremely stable, **TPS 20** is the most efficient dialkyl trisulfide.

**TPS 20** is an additive for :

- Neat and soluble cutting oils used with copper and copper alloys;
- Cold rolling oils;
- Gear oils and EP Greases.

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