

TPS[®] 32

POLYSULFIDES, DI-TERT-DODECYL

CAS : 68425-15-0

EC Nr: 270-335-7

TPS[®] 32 is a clear yellow liquid with a very slight odor. It does not contain any chlorinated impurity or unsaturated hydrocarbon.

SPECIFICATIONS	VALUES	METHODS
Appearance	Limpid	TIO.MA.0005
Sulfur content (% weight)	≥ 29 / ≤ 32	NF EN ISO 8754 - ASTM D4294
Color (Gardner)	≤ 10	NF EN ISO 4630-2 - ASTM D4890
Flash point (closed cup)	≥ 121° C	NF EN ISO 2719 ASTM D93

The above commercial specifications are guaranteed ; they were established using the test methods which were in force at the plant at the time of the product dispatch, and are in line with any applicable revision references.

TECHNICAL DATA

Uses

TPS[®] 32 is an extreme-pressure additive for lubricants. TPS[®] 32 is an additive for straight and soluble cutting oils used with non copper alloys. Its tertiary dodecyl chain being extremely stable, TPS[®] 32 is the most efficient dialkyl pentasulfide. TPS[®] 32 has a high active sulphur content and corrodes copper. This corrosion is easily inhibited, but for lubricants used with copper alloys we recommend TPS[®] 20.

Physical Data

Specific Gravity (20°C = 68°F): 1.01

Viscosity (20°C): 603 mPa.s

Viscosity (50°C): 64 mPa.s

Pour point: ≤ -20°C

Refraction index $n_{20/D}$: 1.541

Vapor pressure (20°C): < 0.03 hPa

Specific heat at 20 °C: 0.42 kcal/kg/°C

Solubility: TPS[®] 32 is soluble in mineral oils and synthetic base oils and most common solvents. It is insoluble in water.

STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Please refer to the safety data sheet before any use.

PACKAGING

Drum: 216 L / 200 kg NW

Intermediate Bulk Container: 1000 L / 950kg NW

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer>

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