

TPS[®] 20

POLYSULFIDES, DI-TERT-DODECYL

CAS : 68425-15-0

EC Nr: 270-335-7

TPS[®] 20 is a pale yellow liquid. It has a very slight odour and does not contain any chlorinated impurity or unsaturated hydrocarbon.

SPECIFICATIONS	VALUES	METHODS
Appearance	Limpid	TIO.MA.0005
Sulfur content (% weight)	≥ 20 / ≤ 23	NF EN ISO 8754 - ASTM D4294
Color (Gardner)	≤ 5	NF EN ISO 4630-2 - ASTM D4890
Copper corrosion	≤ 1b	ASTM D130 (5%, 3h, 100° C)
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[®] 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

Physical Data

Specific Gravity (20°C = 68°F): 0.95

Viscosity (20°C): 208 mPa.s

Viscosity (40°C): 53 mPa.s

Pour point: ≤ -20°C

Refraction index $n_{20/D}$: 1.513

Vapor pressure (20°C): < 0.03 hPa

Specific heat at 20 °C: 0.46 kcal/kg/°C

Solubility: TPS[®] 20 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 / 195 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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