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## Di-*tert*-dodecyl Polysulfide (TDPS 532)

Property	Typical Value	Specification	Test Method
Total Sulfur, wt %	31.5	30 – 34	ASTM D 4294
Mercaptan Sulfur Content, ppm	15	40 max	ASTM D 3227
Color	Light yellow	Yellow	Visual
Appearance	Clear yellow liquid		Visual
Flash Point, °F (°C)	>250 (121)	Report	ASTM D 93
Lights, ppm		300 max	GC
Turbidity, NTU	< 2	5 max	ASTM D 6181
<b>Other Properties</b>			
Molecular Formula (main constituent)	$C_{12}H_{25}S_5C_{12}H_{25}$		
Molecular Weight, g/mol (main constituent)	498		
Density at 60 °F, g/mL	1.0 – 1.01		ASTM D 4052
Viscosity at 40 °C, cSt	100		ASTM D 445
Viscosity at 40 °C, cP	100		
Boiling Point at 14.7 psia, °F	Decomposes		
Active Sulfur, wt %	21 – 23		ASTM D 1662-92
Soluble in	Hexane, toluene, white mineral spirit		
Insoluble in	Water		
Odor	Mild		

Product Number: 1024571

Code/NR: DS30TDPS.4

Revised: 01/03/06

Notice: Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.