

Chevron Phillips Chemical Company LP  
10001 Six Pines Drive  
The Woodlands, TX 77380  
800-858-4327  
Technical Service: 832-813-4862

Chevron Phillips Chemicals International N.V.  
Brusselsesteenweg 355  
B-3090 Overijse, Belgium  
+32 (0) 2 689 12 11

Chevron Phillips Chemicals Asia PTE Ltd.  
5 Temasek Boulevard  
05-01 Suntec Tower Five  
Singapore 038985  
+65 6337 9700

## Di-*tert*-dodecyl Polysulfide (TDPS 320)

Property	Typical Value	Specification	Test Method
Total Sulfur, wt %	20	19 – 22	ASTM D 4294
Mercaptan Sulfur Content, ppm	10	40 max	ASTM D 3227
Copper Corrosion, 3 h at 100 °C (10% in oil)	1A	1B max	ASTM D 130 (Modified)
Color	Yellow	Yellow	Visual
Appearance	Clear yellow liquid		Visual
Flash Point, °F	270	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)	$(t\text{-C}_{12}\text{H}_{25})_2\text{S}_3$		
Density at 60 °F, g/mL	0.94 – 0.95		ASTM D 4052
Density at 20 °C, g/mL	0.945		
Viscosity at 40 °C, cSt	46		ASTM D 445
Viscosity at 40 °C, cP	43		
Boiling Point at 14.7 psia, °F	Decomposes		
Molecular Weight, g/mol (main constituent)	434		
Soluble in	Hexane, toluene		
Insoluble in	Water		
Odor	Mild		

Product Number: 1024564

Code/NR: DS37TDPS.5

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.