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Di-*tert*-butyl Polysulfide (TBPS 454)

Property	Typical Value	Specification	Test Method
Total Sulfur, wt %	53.5	50 – 55	ASTM D 4294
Mercaptan Sulfur Content, ppm	10	40 max	ASTM D 3227
Turbidity, NTU	< 2	5 max	ASTM D 6181
Color	Yellow	Yellow	Visual
Appearance	Clear		Visual

Other Properties

Molecular Formula (main constituent)	C ₄ H ₉ S ₄ C ₄ H ₉	
Molecular Weight, g/mol (main constituent)	242	
Density at 20 °C, g/mL	1.090	
Viscosity at 20 °C, cP	10	
Boiling Point at 1 atm (14.7 psia)	Decomposes	
Flash Point, °C (°F)	100.5 (212.9)	ASTM D 93
Soluble in	Hexane, white spirits	
Insoluble in	Water	

Product Number: 1024578

Code/NR: DS31TBPS.6

Revised:9/08/07

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.