

Di-tert-butyl polysulfide (GDS 56)

GDS-56 is Di-tert-butyl polysulfide (sulfurized isobutylene) and is a new generation of Catalyst Sulfiding Agent (equivalent to SulfrZol® 54 of Lubrizol), primarily used as a sulfiding agent for hydrotreating catalysts. It overcomes all the disadvantages of dimethyl disulfide (DMDS) and represents a superior alternative sulfiding agent. In addition, this product can be used as a coking inhibitor for ethylene cracking furnaces and as a sulfur solvent in oil and gas field operations.

Features

- High sulfur content
- Low odor
- Flash point above 100 °C, with no risk of flash fire or explosion
- Safe and clean during handling, storage, and transportation
- Hydrogen utilization up, SO_x emissions down.



Packaging and Storage

Packaging:

Available in 200-L steel drums, 1000-L IBC containers, or 20,000-L tank containers.

Storage:

Store in a dry, well-ventilated warehouse at ambient temperature, protected from light (especially when using transparent or semi-transparent containers).

Technical Specifications and Test Methods

Item	Quality Standard	Test Method
Appearance	Yellow to Amber	Visual inspection
Moisture % (v/v) $\leq$	0.03	GB/T260-2016
Mechanical Impurities % $\leq$	0.05	GB/T511-2010
Flash Point (Closed Cup) °C $\geq$	100	GB/T25482-2010
Kinematic Viscosity (40 °C), mm²/s $\leq$	8.5	GB/T265
Density (15.6 °C) kg/m³	1075-1121	GB/T13377-2010
Sulfur Content % (m/m) $\leq$	52-56	GB/T17040-2019 ¹
Thermal Decomposition Temperature °C $\geq$	210	SH/T0561-1993
Pour Point °C $\leq$	-42	GB/T3535-2006
1、 The sulfur content in GDS56 can be determined using methods other than GB/T17040-2019 as well.		

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Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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