

Sulphonated Asphalt

Technical Data Sheet (TDS) / Product Specification

Sulphonated asphalt is a chemically modified asphalt that is partly water-soluble. It coats and seals shale, reduces downhole water loss, furnishes boundary lubrication and reduces torque and drag. It is packed in printed 25 kg (50 lb) kraft bags with full health and safety information.



1. Typical properties

Property	Typical value	Test method
Appearance	Black free-flowing powder	Visual
Water solubility	≥ 60 %	Gravimetric
Oil solubility	≥ 30 %	Gravimetric
Moisture, max	8 %	Oven
pH (1 % solution)	8 – 10	pH meter
Sulphonate content	≥ 10 %	Titration

Typical values for guidance. The binding specification for each lot is stated in the Certificate of Analysis (COA).

2. Key benefits

- Stabilizes reactive shale
- Furnishes boundary lubrication
- Reduces down-hole water loss
- Reduces torque and drag

3. Applications

- Water-based muds
- Shale sections and deviated wells
- KCl-polymer systems
- Torque and drag reduction

4. Recommended dosage

2 – 6 lb/bbl. Final dosage should be confirmed by laboratory or field trials under actual conditions.

5. Packing and storage

Packing	25 kg (50 lb ± 0.5) printed kraft bags; 1 MT jumbo bags.
Storage	Store in a dry, covered and well-ventilated area on pallets, away from heat and ignition sources. Keep bags closed.
Shelf life	At least 12 months in original packing.

6. Quality and documents

Each shipment is supplied with COA, TDS and MSDS. Third-party inspection (e.g. SGS) can be arranged on request.

Disclaimer: The information in this data sheet is based on our current knowledge and is given in good faith. It does not constitute a warranty of suitability for a particular purpose. Users should determine suitability through their own tests.

Prepared by	Approved by	Company stamp
BASEKIM Quality Control Laboratory Date: 2026-10-03	Sun Gilsonite Technical Team, BASEKIM Date: 2026-10-03	APPROVED Sun Gilsonite by BASEKIM Quality Control