

## **KONTROL**

### **SHALE STABILIZER**

**KONTROL** is a sulfonated asphalt shale stabilizer for use in water, oil and synthetic based drilling fluids. Kontrol is highly water-soluble and anionically charged and therefore a chemical treatment for shale control.

The insoluble portion of Kontrol provides a physical plugging effect to control shale zones. Kontrol is also partially soluble in oil. It reduces HTHP and increases lubricity in synthetic and conventional oil muds.

#### **FEATURES AND BENEFITS:**

- Chemically and physically effective in preventing and reducing sloughing shale.
- Increases lubricity both in filter cake and in whole mud.
- Reduces HTHP mud filtration with rapid development of a thin, tough filter cake.
- Prevents formation damage and is easy to remove.
- Stabilizes the well bore with minimal effect on rheology.
- Temperature stability in excess of 204°C.
- Dramatic torque and drag reduction.

#### **RECOMMENDED TREATMENT:**

Preventive chemical treatment: 6 – 11 Kg/m<sup>3</sup>

Severe sloughing shale sections: 11 – 17 Kg/m<sup>3</sup>

#### **PHYSICAL PROPERTIES:**

|                   |   |
|-------------------|---|
| Appearance:       | Black to dark brown powder                      |
| Moisture:         | 10% max (wt. basis)                             |
| Specific Gravity: | 0.98  |
| Solubility:       | 70 ± 5% (wt.) in water<br>40 – 60% (wt.) in oil |
| pH (2% solution): | 8.5   |

#### **MIXING/HANDLING:**

Mix slowly through the hopper. Refer to the SDS for specific handling requirements.

#### **MICROTOX® THRESHOLD: TBD**

#### **PACKAGING: 22.68 kg bag / 50 bags/pallet**