



## PRODUCT DATA

# RAPID BLACK™

SHALE STABILIZER AND WELLBORE LUBRICANT

### Description:

Rapid Black™ is a dispersible gilsonite and hydrocarbon resin (asphalite) blended in an aqueous solution of glycols, polyoxyalkylene glycols, and glycerol. The product is formulated with non-toxic surfactants causing the liquid slurry to easily disperse in water-base drilling fluids. Rapid Black™ is an excellent additive for shale control, wellbore lubrication and as a fluid loss filtration control additive. It can stabilize sensitive shale sections over a wide range of drilling applications. The Rapid Black™ is effective in low and high temperature drilling conditions and is tolerant to the additions of hydrocarbons into the water-based mud.

### Advantages:

- ⇒ Stabilize troublesome shales by sealing micro fractures and permeable zones.
- ⇒ Improves gauge of wellbore and overall borehole stability.
- ⇒ Reduces torque and drag, reduce differential sticking.
- ⇒ Reduces HT / HP fluid loss and dynamic filtrate.
- ⇒ Non-toxic and non-polluting at recommended dosages.

### Application:

Rapid Black™ is a liquid slurry blended gilsonite product formulated for easy dispersion and resistance to contaminants, including hydrocarbons. Excess amounts of hydrocarbons in water-based drilling fluids can cause gilsonite to agglomerate; we recommend the concurrent use of Rapid Sperse™ as an effective gilsonite coupler. The use of Rapid Sperse™ in conjunction allows the use of natural and synthetic hydrocarbon lubricants at varying concentrations.

Appearance:	Black Viscous Liquid / Slurry
Specific Gravity:	1.10
Density	9.17 (typical)
Flash Point	> 200° F (93°C)
Mesh Size (ASTM)	100% minus 12 mesh, 60% minus 20 mesh

### Recommended Treatment:

Shale Stabilization:	1% to 5% by volume (4 to 20 ppb).
Borehole Lubrication:	1% to 3% by volume (4 to 14 ppb).
HT / HP Fluid Loss Reduction:	2% to 8% by volume (8 to 30 ppb).

### Handling:

Rapid Black™ is packaged in 55-gallon drum or 550-gallon bulk container.

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