

## **MATERIAL TO COMBAT Loss of Circulation**

### **GENERAL INFORMATION**

OS G PLUG (Graphite) is a plugging agent of various fractions, used for compaction and plugging of permeable formations in water, oil or synthetic based systems.

G PLUG LC (coarse) is used to combat loss of circulation and control filtration/cracks and also as a lubricant.

G PLUG L (fine) is used primarily as a lubricant, with little ability to combat loss of circulation.

### **TYPICAL CHARACTERISTICS**

Appearance: Dark gray to black powder

Specific gravity: 2.19 - 2.26

Water Solubility @68°F(20°C): insoluble

### **PRODUCT APPLICATION**

OS G PLUG is used to compact and plug permeable formations in all types of mortar. The addition of OS G PLUG prevents downhole fluid loss in severely depleted formations and allows drilling operations to continue while significantly reducing non-production time. OS G PLUG is an effective material for strengthening the wellbore and combating lost circulation. OS G PLUG also acts as a lubricant, reducing torque and tool tightening.

OS G PLUG is inert and does not affect the rheological properties of the solution. The product can be used in conjunction with other anti-absorption materials such as OS MICA, OS QUICK SEAL, OS CALCIUM CARBONATE. The standard dose is from 20 to 50 ppb depending on the complexity of the problem.

OS G PLUG is insoluble in 15% HCL and is therefore not suitable for injection wells or open hole applications.

### **PRODUCT HANDLING AND TOXICITY**

Biotest information is available upon request. Handle as an industrial chemical, using protective equipment and following the safety precautions specified in the Transportation and Product Safety Data Sheets (MSDS).

### **PACKAGE**

OS G PLUG is packaged in 25 kg multilayer paper bags.