

### 1. GENERAL INFORMATION

**PRESANTIL EF** is an hydrocarbons-free spotting fluids used to free differentially stuck pipes.

### 2. APPLICATION

**PRESANTIL EF** is an easy-to-use product which finds application in the preparation of weighted and unweighted spotting fluids.

Spotting **PRESANTIL EF** is a quick and effective remedy to differentially stuck pipe.

**PRESANTIL EF** is most effective if applied as soon as the pipe becomes differentially stuck.

**PRESANTIL EF**, after acting as pipe freeing agent, performs as a lubricant reducing the coefficient of friction of the mud.

**PRESANTIL EF** is compatible with all water based muds and their components.

### 3. TREATMENT

The dosage of **PRESANTIL EF** has to be calculated based on the area of stuck pipe and hole diameter. Hereunder are some examples of the formulation used to reach the desired Specific Gravity:

| Desired Specific | <b>Presantil EF</b> | Barite |
|------------------|---------------------|--------|
|                  | (liters)            | (kg)   |
|                  |                     |        |
| 1,3              | 1000                | 360    |
| 1,6              | 1000                | 875    |
| 1,9              | 1000                | 1550   |

### 4. TYPICAL PROPERTIES

Appearance: dark liquid  
Specific gravity (20°C): 1.05 approx.  
Flash point: > 100°C

### 5. PACKAGING

1000 lt plastic IBC over wooden pallets.