



# PENETROL<sup>®</sup> EU

## Wetting Agent

**Description** PENETROL<sup>®</sup> EU Wetting Agent is a water miscible, non-ionic surfactant designed to counteract the sticking tendencies of clay.

### Applications/Functions

***The use of PENETROL EU Wetting Agent aids the following:***

- Reduce or eliminate bit balling
- Reduce surface tension of drilling fluid, which allows faster chip removal without continuously grinding the hard shale formations
- Improve drilling efficiency by preferentially coating the bottom-hole assembly and drill string
- Minimize differential sticking
- Increase bit life and reduce drill pipe and bottom-hole assembly wear

### Advantages

- Easy to mix
- Effective in low concentrations
- Compatible with other Baroid IDP drilling fluid additives
- Biodegradable

### Typical Properties

- |                            |                  |
|----------------------------|------------------|
| • Appearance               | green liquid     |
| • Specific gravity         | ~1               |
| • pH                       | 10               |
| • Flash point, TOC, °C, °F | >100 °C, >212 °F |

### Recommended Treatment

***Added uniformly through entire circulation system***

- 2.5 to 10 liters of PENETROL EU Wetting Agent per m<sup>3</sup> of drilling fluid
- 1 to 4 quarts of PENETROL EU Wetting Agent per 100 gallons of drilling fluid

***As a slug down drill rods to counteract the sticking tendencies of clay***

- 1 to 2 liters of PENETROL EU Wetting Agent per drill rod
- 1 to 2 quarts of PENETROL EU Wetting Agent per drill rod

***Alternate application***

- Dilute 3.8 liters of PENETROL EU Wetting Agent with 38 liters of water and inject 3.8 liters of mixture per minute into the pump suction
- Dilute 1 gallon of PENETROL EU Wetting Agent with 10 gallons of water and inject one gallon of mixture per minute into the pump suction

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**Packaging** PENETROL® EU Wetting Agent is packaged in 20 Liter Drum.

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**Availability** PENETROL EU Wetting Agent can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department or your area IDP Sales Representative.

**CEBO Holland, BV**  
**Authorized Retailer, Baroid IDP**  
Westerduinweg 1  
NL-1976 BV IJmuiden

**Customer Service**        +31 (0)255-546262

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