

# NEXT-SEAL

## Minimize seepage losses and HP/HT filtrate in invert emulsion drilling fluid systems

### Applications

- All invert emulsion drilling fluids
- Wells up to 450°F (232°C)

### Features and benefits

- Seepage loss control
  - Reduces downhole losses
- HP/HT filtration control
  - Enhances wellbore stability
- Minimal effect on ES and rheology
  - Maintains fluid consistency
- Single-sack solution
  - Simplifies logistics
- Optimized particle size
  - Can be pumped safely through a downhole tool
- Extended temperature range
  - Remains stable across a wide range of drilling conditions

The Baker Hughes NEXT-SEAL™ is a **high-pressure/high-temperature (HP/HT) filtration control additive and seepage loss circulation material** for use in invert emulsion drilling fluids. Seepage losses often result in differential sticking, poor wall cake quality, or even a severe lost circulation event. These losses are often difficult to stop if left untreated, and can culminate over time, resulting in significant operator costs.

The carefully engineered formula of NEXT-SEAL allows it to be pumped through downhole tools in high concentrations with maximum retention, making it applicable in a wide variety of drilling conditions.

### Recommended treatment

For seepage loss and HP/HT control, the system should be initially treated with 1.0 to 4.0 lb/bbl (2.9 to 11.4 kg/m<sup>3</sup>) of NEXT SEAL. The system should be further maintained as deemed appropriate.

Sweeps of up to 30 lb/bbl (85.8 kg/m<sup>3</sup>) should be pumped every connection in the event of larger seepage losses. Unlike conventional sealing agents in emulsion systems, NEXT-SEAL addition will have a minimal effect on invert emulsion electrical stability (ES) and rheology.

NEXT-SEAL can be mixed directly through the hopper or added through a premixed volume.

### Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

### Shipping

Transportation of the NEXT-SEAL additive is not restricted by either international or United States regulatory agencies.

### Safe handling

#### recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

### Packaging

The NEXT-SEAL additive is packaged in 25-lb (11.4-kg) multi-walled bags.

Typical properties	
Appearance	Gray powder
Specific gravity	1.5 to 1.7
Solubility in water	Insoluble