

# GT-3000

## Synthetic base fluid

### Applications

- Synthetic oil-based drilling fluids
- Offshore, deepwater, and drilling delineation wells

### Features and benefits

- Specially formulated olefin
- Enhances rheological profile of invert emulsion drilling fluids
- Promotes enhanced rate of penetration
- Compliant with the National Pollutant Discharge Elimination System (NPDES)
  - Allows discharge of cuttings into the sea
- Low kinetic viscosity allows lower synthetic oil-water ratios
  - Minimizes oil retention on cuttings
- Base oil footprint will not interfere with the characteristics of cuttings and core samples

The **GT-3000™ base fluid** from Baker Hughes is a specially formulated, environmentally responsible olefin for synthetic systems. GT-3000 base fluid specifically addresses the drilling performance, environmental, and geochemical needs desired in synthetic drilling fluid systems. GT-3000 base fluid is specifically designed to allow continued discharge of cuttings to the sea.

GT-3000 base fluid has a unique composition that will not interfere with the interpretation of naturally occurring hydrocarbon components during head space gas analysis of drilled cuttings or core samples.

The base fluid has a low kinematic viscosity that allows for formulations of synthetic drilling fluid systems with synthetic-to-water ratios as low as 60:40 without adverse rheological effects. Lower synthetic-to-water ratios utilize less base fluid and helps minimize retention-on-cuttings during discharge operations. GT-3000 base fluid is formulated to meet or exceed the environmental performance of a C16/C18 isomerized olefin base fluid.

GT-3000 is applicable for all operations requiring the environmental and drilling performance of an olefin base fluid system. GT-3000 base fluid is especially beneficial when drilling delineation wells or other operations where hydrocarbon analysis is a crucial component in analyzing the economic potential of a reservoir and subsequent capital expenditure.

### 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 GT-3000 base fluid 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

GT-3000 base fluid is available in bulk containers.

#### Typical properties

<b>Appearance</b>	Clear to pale yellow liquid
<b>Viscosity at 104°F (40°C)</b>	2.96 cSt
<b>Specific gravity at 60°F (15.5°C)</b>	0.79
<b>Flash point (ASTM D58)</b>	279°F (137.2°C)
<b>Aromatic content</b>	< 0.5%