



## Description

GILSONITE is a type of natural asphaltic materials which are widely used as an effective filtration agent additive in oil-based and water-based drilling fluids. GILSONITE may be used in normal or HTHP environments. Other functions of GILSONITE are shale inhibition, preventing seepage loss circulation and differential stuck reduction.

## Application

GILSONITE is an effective fluid loss controller in oil-based and water-based drilling fluids. In problematic shale layers, it can be used as borehole stabilizer. It is often used to plug pore throats of depleted formations to prevent loss circulation problems

## Advantages

- Improves emulsion and thermal stability in oil-based drilling fluids.
- High temperature stability
- No need for surfactant or etc.
- Improves filter cake quality
- Reduce fluid loss in normal or HPHT environments
- Minimize unwanted torque and drag while drilling

## Limitations

- Before field application, pilot test must be run and compatibility of GILSONITE with selected drilling fluid must be checked.

## Treatment

GILSONITE can be added in initial mixing or as treatment while drilling. Typical GILSONITE concentrations range from 2 to 8 lb/bbl (5.7 to 23 kg/m<sup>3</sup>). When used in the initial formulation, it is recommended to be added to Oil-based drilling fluid at last stage of mud preparation. Form finding the optimum concentration of GILSONITE, running the pilot tests is highly recommended.

## Typical Properties

APPEARANCE	Black powder
SPECIFIC GRAVITY	0.95 – 1.14
ASH CONTENT	5 – 20%
FLASH POINT	600°F (316°C)
MELTING POINT	400°F (204°C) 400°F (204°C)



Tiam Earth Advanced Materials

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## Technical Datasheet

# GILSONITE

[www.teamchem.co](http://www.teamchem.co)



### Packaging

GILSONITE is available in a 25 KG SXS.



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