



HYBRID CHEMICAL  
TECHNOLOGIES

# CLAY STABILIZER

## TERRAGUARD- 102

TERRAGUARD-102 is a permanent cationic non-polymeric clay stabilizer that can be used to provide long term control in formations with moderate to high permeability. TERRAGUARD-102 is well suited for use in completion, fracturing, water based drilling, workover, and treatment fluids.

## **APPLICATION**

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TERRAGUARD-102 is typically used between 1.0 and 2.0 L/m<sup>3</sup>, depending on severity of clay swelling risk.

## **PROPERTIES**

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<b>Appearance</b>	Colourless to pale yellow
<b>pH (1%)</b>	5.5-7.5
<b>Freeze</b>	< -30.6°C
<b>Density</b>	1.07-1.09

## **HANDLING & STORAGE**

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Handle wearing appropriate PPE. Ensure adequate ventilation. Store out of direct sunlight. Refer to SDS for more information.

## **OPERATIONAL BENEFITS**

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- Compatible with more fracturing and drilling additives.
- Prevents and reduces the clay swelling occurring in subterranean formation.
- Unique ability to permanently stabilize swelling and migratory type clays.
- Neutral pH.
- Offers best in class performance over Potassium Chloride and others.
- Low toxicity.
- Not surface active.
- Freeze stable.