



## TECH DATA SHEET

### PRODUCT DESCRIPTION:

**CLAY BOMB** is a natural chloride product used as a clay stabilizer in drilling, stimulation and completion fluids. Clays contain cations, typically sodium, within their crystalline layers that occupy base exchange positions or sites in the clay structure (lattice). Upon contact with water, these cations are solubilized resulting in clay instability and swelling. When clays swell, the permeability of the formation is diminished, which impedes production. **CLAY BOMB** helps reduce clay swelling through ion exchange, providing a cation to replace the native, solubilized clay cation, sodium.

### APPLICATIONS AND USE:

Typical concentration range is 1 to 4 gal/Mgal (1 to 4 L/m<sup>3</sup>), based on clay content

### PRODUCT ADVANTAGES:

- Easy to handle and mix in the field
- Compatible with anionic friction reducers and surfactants
- Effective at typical pH levels

### PHYSICAL PROPERTIES:

Appearance:	Colorless to light amber liquid
Specific Gravity	1.29 - 1.33

### PACKAGING:

**CLAY BOMB** is packaged in the following:

- 1/2 gallon jugs
- 5 gallon pails
- 55 gallon totes
- 275 gallon totes

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