

NEODEF-1520

NEODEF-1520/13 is an emulsified dimethyl polysiloxane-based compound for use in controlling foaming in aqueous systems. NEODEF-1520/13 has a non-ionic dispersant system that ensures dispersion in hot or cold water with great speed. It is a liquid defoamer also used for cement paste, where the addition of products can cause foaming.

The internal standards CONTEC / SC-01 / Petrobras N-2521 and N-2522 were used as the test method for non-defoaming materials for cement slabs for cementing oil wells. The AGENA DEF- 1520 when applied in the cement paste presents an increment of density due to the reduction of the air bubbles, thus verifying its efficiency.

PHYSICAL-CHEMICAL PROPERTIES

Appearance	Milky emulsion
Density (20/25 ° C)	1.0 +/- 0.05 g / cm 3
Color	White
Diluent	Water
Type of dispersant	Non-ionic
Specific or absolute volume, gal / lb	0.1182

• APPLICATIONS

- The wide range of applications of the NEODEF-1520/13 prevents the indication of an accurate dilution range. The optimum use concentration for each case may range from 50 to 400 ppm and should be determined at the point of use. As a starting point, we suggest 100 ppm, increasing or decreasing this concentration from the results.
- Some additives added to the cement paste have the characteristic of causing foaming. Foam can cause erroneous readings on fluid density and hinder pumpability.

• AVAILABILITY

- NEODEF-1520/13 is available only upon request. It has been developed exclusively for Carioca Oil & Gas / Brazil.

• RECOMENDATIONS

- Before use, shake the package to homogenize.
- To dilute, add defoamer to the water under stirring.
- Dilutions shall be made in the quantities required for immediate use.
- For constant applications or time-consuming operations, the pre-diluted AGENA DEF-1520 must be kept under constant stirring or mixing.