



## CA-AFL

### LIQUID DEFOAMER

#### DESCRIPTION

CA-AFL is an effective antifoaming and defoaming agent for oilwell cement. CA-AFL is especially useful in formulations which require the use of organic mixtures but where entrained air must be avoided. It's typical properties are as follows:

Description	Liquid cement anti-foaming agent.
Appearance	Viscous liquid.
Flash Point	Approximately 400 °F
Specific gravity	1.01 - 1.02

#### APPLICATION

CA-AFL will eliminate entrained air, which causes problems in pumping. CA-AFL also prevents excessive shrinkage, porosity and weakness of the set cement.

#### RECOMMENDED TREATMENT

Recommendations for a mixing program should be made only after a complete project analysis and a thorough study has been made of all the factors affecting the cementing operation.

CA-AFL is typically added in the amount of 0.01 - 0.03 gallons per sack (94 lbs) of cement, which will eliminate air in most systems. This, however, is not a specification. The exact amount required may vary for each application, and is usually determined by observation and will depend upon the organics which are present.

#### PACKAGING

CA-AFL is normally packaged in 5 U.S. gallon export quality pails. This anti-foamer may congeal or stratify when cold. Should this occur, warm to 122°F (50°C) and mix well before using.

#### MISCELLANEOUS

Prices and delivery schedules are available from any Messina office, area representative or distributor.

CA-AFL is a Messina trademark