



## CA-AFP

### DEFOAMER

#### DESCRIPTION

CA-AFP is an effective antifoaming and defoaming agent for oilwell cement. CA-AFP is especially useful in formulations which require the use of organic mixtures but where entrained air must be avoided.

#### APPLICATION

CA-AFP will eliminate entrained air, which causes problems in pumping and annular fill-up. CA-AFP 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 has been made and a thorough study made of all the factors affecting the cementing operation.

CA-AFP, added in the amount of 0.1 to 0.4 percent by weight, will eliminate air in most systems. The minimum amount required is usually determined by observation and will depend upon the organics which are present.

Typically, 1 lb. of CA-AFP is equivalent in performance to approximately 0.15 gallons of Messina's liquid defoamers--CA-AFL™, and CA-AF2™. However, it should be noted that this is not a specification. Exact equivalent amounts are best determined in laboratory pilot tests with the actual mixing water and additives to be used in the field.

#### PACKAGING

CA-AFP is normally packaged in 40 lb (18.1 kg) or 50 lb (22.7 kg) net multi-walled bags. Alternative packaging is available upon request. It is recommended that this product be stored in a cool, dry place away from direct heat.

#### MISCELLANEOUS

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

CA-AFP is a Messina trademark