

## PRODUCT DATA

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# CA-FL14L™

## HIGH TEMPERATURE LIQUID FLUID LOSS ADDITIVE

### DESCRIPTION

CA-FL14L is a liquid fluid-loss additive that should be used with Messina's friction reducer/dispersant CA-FR3P or CA-FR3L.

Appearance	Viscous, Translucent Liquid
Specific Gravity	Approx. 1.08

### APPLICATION

CA-FL14L is a superior filtrate reducer for cements when used with an effective dispersant such as Messina's CA-FR3. The dispersant is necessary due to cement slurry viscosity increases when CA-FL14L is used. CA-FL14L is applicable in wells having BHCT's up to 400° F (204° C).

CA-FL14L can be used with all API cements and is compatible with normal lost circulation and weighting materials. Accelerators such as sodium chloride will not dramatically impair the performance of CA-FL14L as long as the maximum amount of sodium chloride does not exceed 10%. Calcium chloride should not be used with CA-FL14L.

### RECOMMENDED TREATMENT

CA-FL14L, being a very viscous fluid, must be evenly distributed in the mix water. This can be accomplished by adding the proper amount of CA-FL14L to the mix water as it is being circulated through the mixer or add the product slowly to the mix water using continuous agitation.

Generally, the concentration of CA-FL14L required will vary between 0.25 to 0.75 gallons per sack (94 lb) of cement. The concentration of dispersant should be 0.5 to 1.0 percent by weight of cement.

Tests should be conducted to determine the exact concentration to achieve the desired properties. Messina's technical staff and facilities are available if additional information, evaluations, etc, are required.

### PACKAGING

CA-FL14L is a translucent green liquid normally packaged in 5 gal. buckets of 55 gallon drums.

CA-FL14L is a Messina Trademark.

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