



## CA-CWF

### CHEMICAL WASH

#### DESCRIPTION

CA-CWF is a liquid product designed to provide fluid loss control in Messina's chemical washes.

#### APPLICATION

Chemical washes are usually aqueous solutions of chemicals and surfactants used to separate cement slurries and drilling fluids. These solutions generally exhibit no fluid loss control. CA-CWF, when mixed in these solutions, will provide significant fluid loss control, preventing excessive loss of chemical wash fluids to permeable formations downhole.

#### RECOMMENDED TREATMENT

One drum of CA-CWF should be added to 8-15 barrels of chemical wash solution (approximately 8-15% by volume). Agitate vigorously until the mixture is smooth and even. Mix continuously until pumped. It is recommended that 5-30 ppb of a particular material such as CA-EX9 or CA-HT/S200 (Silica Flour) be added to the chemical wash and blended well just before pumping downhole.

#### HANDLING

Chemical goggles and rubber gloves should be worn while handling chemical washes. CA-CWF may be irritating to the skin or eyes. In case of eye contact, flush thoroughly with water and contact a physician. In case of skin contact, wash thoroughly with soap and water.

#### PACKAGING

CA-CWF is available in 55-gallon drums.

CA-CWF is a Messina trademark