

FORM-A-PLUG ACC

FORM-A-PLUG* ACC additive is a blend of inorganic compounds designed for the pH and salinity adjustments necessary to control the crosslinking reaction in a FORM-A-PLUG lost circulation pill.

Typical Physical Properties

Physical appearance.....	Off-white powder
Specific gravity	2.0
pH (1% solution).....	10.5

Applications

FORM-A-PLUG ACC accelerator is used together with a FORM-A-PLUG II pill to reduce the set-up time of the lost circulation slurry. It should be added to the lost circulation slurry immediately before pumping the mixture down the well. The accelerator will create a chemical reaction with the FORM-A-PLUG pill to form a rigid cross-linked gel structure. It is important to carefully control the product concentrations and mixing conditions in order to ensure that the reaction proceeds as expected. The formulation can be adjusted for density by adding barite or other appropriate weighting materials up to 18 lb/gal (2.16 sg).

Recommended concentrations are 3.5 - 10.5 lb/bbl (10 - 30 kg/m³) depending on the temperature and the desired setting time. Pilot testing is recommended before use to estimate the time to create a well-set plug. Refer to the FORM-A-PLUG II additive technical bulletin or utilize the M-I SWACO software, FASWARE, for specific pill design.

Advantages

- Increases the set rate for low-temperature applications
- Creates a firmer plug in a shorter time at a given temperature

Limitations

- Pilot testing is essential to obtain optimum formulation

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

FORM-A-PLUG ACC agent is packaged in 50-lb (22.7-kg), multi-wall, paper sacks.

Store at moderate temperatures in dry a, well ventilated area.



P.O. Box 42842
Houston, Texas 77242-2842
Tel: 281-561-1300
Fax: 281-561-1441
www.miswaco.com
E-mail: questions@miswaco.com

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