

# TRI-SEAL

## Applications:

Tri-Seal is pumped ahead of cement as a preflush to prevent loss circulation and cement fallback. Tri-Seal leaks off into high permeability zones and reacts with the calcium components in formation waters and mud filtrate to form a stiff silica gel. This gel prevents cement from leaking off into the thief zone.

## Properties:

Appearance ..... Dry white crystalline powder  
pH (1.0%) ..... 12.6  
Specific Gravity ..... N/A  
Solubility @ 86°F ..... 2.25 lbs/gal. water

## Advantages:

- Quick and easy to mix.
- Low viscosity (can be pumped at high rates).
- Effective over a large range of temperatures.

## Disadvantages:

- Not compatible with cement and many muds.
- A water spacer must be run before and after the cement to prevent flash setting.

## Handling Precautions:

- Skin and eye irritant so goggles and protective clothing should be worn.



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