

DESIGN WATER TECHNOLOGIES



Product Specification Sheet

Product Description

Mud-Buster removes clays from an unconsolidated formation to enhance well yields in new and old wells.

Market Advantages

Traditional polyphosphate treatments promote bacterial growths. This increases the potential for coliform, slime formers, and iron bacteria in wells and systems.

Product Usage

For a new well drilled with a direct rotary using bentonite as a drilling fluid. Today, bentonite drilling fluids have polymers added to the natural bentonite to enhance product capability. The concentration is often .2%. This polymer chain must be broken by sodium hypochlorite prior to removing silts within the aquifer.

Step 1. Multiply the footage of screen times the gallons per foot of screen or open borehole. Multiply that number by 3 to 5. Use a tank at the surface with that amount of water. Use .012 gallons of industrial grade sodium hypochlorite (12-15%) per gallon of water in the surface tank. You can also use .05 gallons of common household bleach per gallon of water in tank. Pump this chlorinated solution through a tremie line into the well just above screen area (if less than 20' long) or displace in 20' sections throughout longer screens. Surge in the screen with a surge block, and let set overnight. Surge again and simultaneously pump just above the surge block until discharge clears. You will see a "malt like" liquid. Do not to use calcium hypochlorite (granular or pelleted) as you can easily plug an aquifer with calcite paste.

Step 2 or for other wells not drilled with bentonite: Recommended Mud-Buster dosage is 1 gallon per 500 gallons of water. Use the same 3-5 volume of the screen area as breaking the polymer chain. Divide that volume by 500 for the gallons of "Mud-Buster" recommended. Mix the Mud-Buster into a tank at the surface, recirculate with any pump to mix, and displace equally throughout the screen. Surge in the screen with a surge block, and let set overnight. Surge again and simultaneously pump just above the surge block to remove the natural silts from the aquifer.

Safety Information

See MSDS sheet.