

SUPER PLUG



Certified to
NSF/ANSI 60

SUPER PLUG additive is a proprietary blend of bentonite, hydroxides, and silicates. It is a 100% inorganic additive designed to minimize environmental impacts in hole-abandonment applications. SUPER PLUG additive is designed to offer superior sealing characteristics where low-permeability, flexible seals are required.*

Typical Physical Properties

Physical appearance..... Light tan to gray powder
 Specific gravity.....2.45–2.55
 pH..... 8.0–10.0 (5% aqueous suspension)
 Solubility.....Insoluble in water, forms colloidal suspension

Applications

SUPER PLUG additive can be used to plug and abandon any type of drilled hole.

Advantages

- SUPER PLUG additive is an all-natural bentonite product
- Hydrates easily and sets efficiently

Method of Addition

Mix one 50-lb (22.7-kg) bag of SUPER PLUG additive with 33 to 43 gal (125 to 163 L) freshwater. This mixture is pumpable with most pumping equipment available. Though progressive cavity or positive displacement pumps offer the best results, diaphragm or gear pumps can also be used.

SUPER PLUG Slurry at Various Solids Content				
SUPER PLUG lb (kg)	Water gal (L)	Density lb/gal (kg/L)	Fluid Loss cm ³ (in ³)	Solids Content
50 (22.7)	33 (125)	9.2 (1.10)	8.9 (.54)	15.4%
50 (22.7)	43 (163)	9 (1.08)	13 (0.8)	12.1%



Limitations

Limitations are the same as for most bentonite products. High chlorides and calcium decrease the yield of this product.

Toxicity and Handling

Bioassay information is available upon request.

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

Packaging and Storage

SUPER PLUG additive is packaged in 50-lb (22.7-kg) multi-walled, moisture-resistant bags. It is also available in super sacks.

Store in a well-ventilated area away from sources of heat or ignition.

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