

# HYDRAUL-EZ®

## HORIZONTAL DIRECTIONAL DRILLING FLUID - NEW IMPROVED FORMULA



Certified to NSF/ANSI/CAN 60

### DESCRIPTION

HYDRAUL-EZ is a high-yield, 230 bbl yield (minimum), 200 mesh sodium bentonite, with a special dry polymer additive. This new improved formula is designed to maintain borehole integrity in horizontally drilled boreholes. HYDRAUL-EZ is certified to NSF/ANSI/CAN Standard 60, Drinking Water Treatment Chemicals - Health Effects.

### RECOMMENDED USE

HYDRAUL-EZ is specially designed for conditions encountered in angle and horizontal drilling. It can be used for all types of freshwater mud rotary drilling and as a jacking lubricant.

### CHARACTERISTICS

- Concentrated for high yield
- Eliminates clay and shale swelling, bit balling, and sticking problems
- Forms a tight, thin filter cake in unstable formations
- Maintains borehole integrity in horizontal and vertically drilled holes
- Mixes quickly
- Requires less material due to low fluid loss properties

### MIXING AND APPLICATION

Mixing ratios are based on the use of freshwater. Water purity will affect bentonite performance. For best results, make-up water should be pre-treated with SODA ASH to a pH of 8.5-9.5. HYDRAUL-EZ should be added slowly through a jet/hopper mixer.



### DRILLING FLUID HYDRAUL-EZ mixing ratios in lbs (kg) per 100 gallons (1 m<sup>3</sup>) of water

Condition	Lbs of HYDRAUL-EZ	% Solids
Normal Conditions	15 - 25 lbs (18 - 28 kg)	1.8 - 2.9%
Sand and Gravel	25 - 35 lbs (28 - 42 kg)	2.9 - 4.0%
Fluid loss Control	35 - 40 lbs (40 - 47 kg)	4.0 - 4.6%

### BULK DENSITY

54 lbs/ft<sup>3</sup> (0.86 kg/L)

### PACKAGING

~50 lbs (~22.7 kg) bags, 48 per pallet. All pallets are plastic-wrapped.

North America: 847.851.1800 | 800.527.9948 | www.CETCO.com

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