

EZ SPOT[®]

PIPE-FREEING AGENT

Product Description

EZ SPOT[®] pipe-freeing agent can be mixed with base oil and water to rapidly create an invert emulsion that is effective stuck pipe pill. EZ SPOT pipe-freeing agent lubricates and dehydrates filter cake from water-based fluids to aid in breaking the cake apart to help alleviate differentially stuck drill pipe. EZ SPOT pipe-freeing agent is preferred when a weighted spot is desired to match the system density and can be used as a spacer fluid between oil based drilling fluids and cement.

Applications/Functions

- » Formulate a pill to help release differently stuck pipe
- » Helps prevent interfacial thickening of oil-based mud and cement during cementing
- » Helps emulsify water in oil-based fluids

Advantages

- » Thermally stable at temperatures up to 400°F (205°C)
- » Can be formulated with varying oil/water ratios
- » Liquid concentrate for ease of addition
- » Easily weighted with any weighting agent

Typical Properties

- » Appearance: Thick, brownish-green liquid
- » Flash Point, PMCC: 88°F
- » Flash Point, PMCC: 31°C
- » Specific gravity: 0.98

Recommended Treatment

See the table for the amounts of base oil, barite, water and EZ SPOT pipe-freeing agent fluid concentrate for 100 bbl (16 m³) of spotting fluid.

An additional viscosifier such as GELTONE[®] II may be required to suspend barite in weighted fluids.

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Packaging

EZ SPOT pipe-freeing agent is packaged in a variety of sizes including 15-gal (56.7-l), 55-gal (208-l) drums in bulk, and others.

EZ SPOT Fluid: Spotting Fluid Formulation for 100 bbl (16 m³).						
Density, lb/gal	7.3	10	12	14	16	18
Oil/Water Ratio	70/30	70/30	70/30	70/30	82/18	82/18
Base Oil, bbl	65	58	54	49	51	44
EZ SPOT fluid, drum	6	6	6	6	6	6
Water, bbl	28	26	22	21	11	10
BAROID® material, 100lb sacks (45.4 kg)	-	140	250	350	465	570

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