

PIPE W

Spotting Fluid

Product Description

PIPE W additive is a liquid one-drum product for preparing weighted oil-base spotting fluids. It contains gellants, emulsifiers, wetting agents and filtercake cracking materials. PIPE W additive can be used in diesel oil or in oil-base muds to form a highly effective stuck-pipe spotting fluid.

Typical Physical Properties

Physical appearance	Dark brown, oily liquid
Specific gravity	0.85 - 0.9
pH (1% solution)	5.5 - 6.5
Flash Point	>140°F (60°C)

Application

The unique properties of PIPE W (mixed with mineral oil, diesel oil, crude oil or oil-base drilling fluid) make it a superior product for preparing a spotting fluid or soak solution for freeing pipe that is differentially stuck. It forms a spotting fluid with a high-fluid-loss, solids free filtrate that penetrates and “cracks” the water-base filter cake, allowing the lubricating solution to equalize differential pressure rapidly and reduce the forces required to free differentially stuck pipe.

PIPE W is a convenient and easy to use liquid product that is effective in very small concentrations and has an excellent success record. The recommended concentration is 1 gal (3.8 l) PIPE W for each bbl (0.16 m³) of spotting fluid to be prepared. Laboratory data indicates that PIPE W does not become more effective at concentrations higher than this 1-to-1 ratio. This easy-to-use product, with its convenient 1-gallon-to-1-barrel ratio, is preferred over sacked spotting fluid products which require more time to mix, with more detailed formulations and mixing instructions.

Advantages

- May be used in diesel oil, mineral oil, crude oil and oil-base muds
- May be used in weighted oil-base fluids where well control considerations require weighted fluids
- Convenient liquid additive, quick and easy to mix at the rig site
- Easy to remember 1-gallon to-1-barrel ratio
- Has an approximate 85% success ratio
- Results in less time lost due to stuck pipe

Limitations

- Although unweighted spotting fluids are more effective, the reduction in hydrostatic pressure with an unweighted spotting fluid may be intolerable due to well control or regulatory requirements. For these instances, a weighted spotting fluid of PIPE W in oil-base mud should be used.
- Environmental restrictions concerning the use of oils and oil-base fluids should be considered, since PIPE W is used in conjunction with oil.

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.

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Toxicity and Handling

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

Packaging and Storage

PIPE W spotting fluid is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums.

Store in a dry location away from sources of heat or ignition. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

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