
PRODUCT DESCRIPTION

PFI-41 is a water soluble, corrosion inhibitor designed specifically for packer, work over and kill fluids. It is effective in fracturing fluids and in pads ahead of cementing operations. PFI-41 contains a catalyzed oxygen scavenger, a scale inhibitor, as well as water soluble corrosion inhibitors for maximum inhibition properties. The corrosion inhibitors in PFI-41 absorb onto metal surfaces and provide a thin film of protection against corrosion. The oxygen scavenger further reduces the corrosion by removing dissolved oxygen from the water. The scale inhibitor prevents the formation of calcium carbonate, calcium sulfate and barium sulfate scales thereby eliminating potential sites for corrosion to begin. PFI-41 is dyed red so that it can be traced during displacement operations when setting a packer.

RECOMMENDED APPLICATION

PFI-41 should be used in packer fluids, work over fluids and kill fluids. In general, anytime corrosion inhibition, oxygen removal or scale inhibition is desired. Minimum use rate in oxygen saturated water is 5 gallons/100 bbl (1200 ppm). For extremely corrosive waters and for temperatures above 180°F increase dosage to 10 gal/100 bbl. PFI-41 can be mixed by pouring into mixing tanks with only slight agitation. The oxygen scavenger will not be effective in waters containing more than 2 ppm H₂S.

COMPATIBILITY

PFI-41 is cationic and compatible with other cationic or nonionic materials. Caution should be exercised when running with anionic additives. Do not blend with any other chemical additives before use.

TYPICAL PHYSICAL PROPERTIES

Form:	Liquid
Chemical Family:	Surfactant/Salt
Color:	Red
Solubility:	Water, Brines
Odor:	Alcoholic
Wt. per Gal.:	8.34 lbs.
Charge:	Cationic
Flash Point:	90 ⁰ F (32.2°C)

HANDLING/STORAGE

PFI-41 is a flammable liquid. Keep away from heat, sparks and open flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wear rubber gloves, apron, and chemical splash goggles. Refer to Material Safety Data Sheet (MSDS) for handling and hazard data.

PACKAGING

PFI-41 is available in 5 gallon pails, 55 gallon drums and 330 gallon tote tanks.