

RINGFREE®

RINGFREE is a highly efficient thermally stable thinner and surface active agent that removes bentonite clays from the drilling string. It is environmentally acceptable and contains no heavy metals. Due to its rapid dissolution, RINGFREE® immediately affects the rheology of most drilling fluids.

Typical Physical Properties

Physical appearance.....	Pale yellow liquid
Specific gravity	1.3
pH as supplied.....	7.0 – 7.5

Applications

RINGFREE® is primarily used to prevent bit balling and mud rings. RINGFREE® also helps free stuck pipe because it will dissolve sticky clays. It can also be used to thin most drilling fluids.

Advantages

- RINGFREE® is an excellent clay dispersant that quickly penetrates sticky clays that may cause stuck tooling.
- Works quickly to alleviate hole problems and reduce costly pulling times or lost pipe.

Methods of Addition

- **Bit balling/mud rings:** 1/2 vis cups (1/2 L) per 300 gals. (1135L) of fluid up to 1/2 to 1 1/2 gallons (1.9-5.7 L) per 300 gal (1135L) of fluid. An alternate method would be to slug rods with 1 vis cup (1L) on connections.
- **Thinning:** Slowly add RINGFREE® to the mud as needed to reduce viscosity.

Limitations

Effectiveness is reduced in fluids with more than 1000 ppm dissolved calcium and 10,000 ppm salt. Since RINGFREE® reduces mud rheology, caution should be exercised when adding to the active mud system.

Toxicity and Handling

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

Ringfree is packaged in 5 gallon buckets (18.92L)

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

For sales and service, contact your local dealer:



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