

TRAMFLOC, INC.

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Technical Information Bulletin

TRAMFLOC[®] 1000 SERIES DRILLING FLUID ADDITIVES FRICTION REDUCER, SHALE/CLAY STABILITY INHIBITOR, FLUID LOSS CONTROLLER

Product Description

The Tramfloc[®] 1000 series drilling additives include our 1003-1006 and 1010-1011 and 145-166 product formulations. They are highly concentrated aqueous solutions of high molecular weight anionic polyacrylamides. Tramfloc[®] 1000 series products are completely water soluble and safe to apply. Tramfloc[®] 1000 series products are used to promote hole stability, increase penetration rates, offer better well development, produce consistent mud properties, control fluid loss to the formation, minimize problems with sloughing shales. These formulations are also available in granular form.

Additional Use Information

Tramfloc[®] 1000 series products are designed to improve drilling efficiency in fresh water systems. The products inhibit sticky clay and shale from swelling, prevent bit balling, disperse effectively with minimum shear in fresh water, have high lubricity to reduce torque, flocculate unreactive solids in the reserve pit, promote stability in foam drilling. Tramfloc[®] 1000 series products will function across the pH range and are temperature stable to more than 380^o F.

Mixing and Dosage

For inhibition or a viscosifier, Tramfloc[®] 1000 series products should be dosed at the rate of 1 quart per 100 gallons of drilling fluid. The products mix quickly and produce a rapid yield in fresh water.

Packaging

Tramfloc[®] 1000 series products are available in 450# net weight drums, one gallon jugs and five gallon containers.

Handling and Storage

Handle all industrial chemicals with care and consult the material safety data sheet before product use. Tramfloc[®] 1000 series products should be stored in a cool, dry place.

Safety and Health

Spills of polymer are extremely slippery. Precautions should be taken to prevent them from entering lakes or streams. Tramfloc[®] Polymer Cleaner 348 can be used to remove residue from equipment and floors. Polymer can be flushed with copious amounts of water and disposed of according to local regulations or treated with an absorbent material, then collected for subsequent legal disposal.

Tramfloc[®] 1000 series products have been shown to exhibit a low order of toxicity. Nevertheless, precaution should be taken to prevent inhalation, ingestion or contact with skin or eyes. Observing basic industrial hygiene precautions should prevent any health or safety hazards.

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