

# TRAMFLOC, INC.

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## Technical Information Bulletin

### TRAMFLOC<sup>®</sup> 129 VM DRILLING FLUID ADDITIVE VISCOSITY MODIFIER

#### ***Product Description***

Tramfloc<sup>®</sup> 129 VM drilling additive is an anionic, granular polyacrylamide polymer of very high molecular weight. Tramfloc<sup>®</sup> 129 VM is completely water soluble and safe to apply. Tramfloc<sup>®</sup> 129 VM is 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.

#### ***Additional Use Information***

Tramfloc<sup>®</sup> 129 VM is designed to improve drilling efficiency in brine systems. The product inhibits sticky clay and shale from swelling, prevents bit balling, is applied in directional drilling, disperses effectively with minimum shear in brines, has high lubricity to reduce torque, increases viscosity, flocculates unreactive solids in the reserve pit, and promotes stability in foam drilling. Tramfloc<sup>®</sup> 129 VM will function across the pH range and is temperature stable to more than 380<sup>0</sup> F.

#### ***Mixing and Dosage***

For inhibition or a viscosifier, Tramfloc<sup>®</sup> 129 VM should be dosed at the rate of 0.75-1.00# per 100 gallons of drilling fluid. The product mixes evenly with proper agitation of < 400 rpm and produces a rapid yield in brines.

#### ***Packaging***

Tramfloc<sup>®</sup> 129 VM is available in 55.1# net weight bags, packed 40 bags/pallet.

#### ***Handling and Storage***

Handle all industrial chemicals with care and consult the material safety data sheet before product use. Tramfloc<sup>®</sup> 129 VM 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<sup>®</sup> 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<sup>®</sup> 129 VM has 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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