

M-I GEL viscosifier

Provides superior filtration

Applications

- Increases viscosity and reduces fluid loss in water-based drilling fluids
- Achieves viscosity, fluid-loss control, and filtercake quality in freshwater and seawater muds

How it improves wells

M-I GEL* viscosifier is a premium-grade bentonite that is used as a primary filtercake-building, filtration-control, and suspension agent in freshwater systems and all water-based mud systems.

Advantages

- Hydrates more than other types of clays and is best for generating viscosity, developing gels for suspension, and controlling filtration
- Provides superior filtration characteristics with small particle size, unique flat shape, and high surface area
- Promotes deposition of thin, compressible filtercakes in the wellbore

Limitations

- Performance reduced in salty (>5,000 mg/L CL) or hard (>240 mg/L Ca) waters due to decreased hydration

Toxicity and handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing precautions as described in the safety datasheet.

Packaging and storage

M-I GEL viscosifier is packaged in multiwall paper sacks and big bags and is available in bulk.

Store in a dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping, or stacking.

Typical Physical Properties

Physical appearance	Light tan, gray-green powder
Specific gravity	2.3–2.6
Bulk density	48–52 lbm/ft ³ [769–833 kg/m ³]

All specifications are subject to change without notice.