

FILTER FLOC

Polymeric filtration flocculant

APPLICATIONS

- Freshwater, seawater, monovalent, and calcium brine fluids
- Solids removal from brine-base completion fluids
- Completion fluid brine reclamation

BENEFITS

- Reduces displacement waste and filtration time
- Expedites completion fluid cleaning process
- Transports to surface and removes contaminants efficiently
- Flocculates residual displacement solids
- Eliminates separation from fluid when agitation ceases

FEATURES

- No contribution to oil and grease values
- 100% soluble
- No sheen

The M-I SWACO FILTER FLOC* polymeric filtration flocculant is designed to flocculate residual displacement solids, enabling solids to be removed from brine-based completion fluids. By flocculating the residual displacement of solids, the contaminant can be easily transported to the surface and removed through the brine filtration process. For completion fluid applications, the flocculant, applied as a spacer in the displacement train, is prepared by adding 55 galUS [208 L] of the flocculant polymer to 100 bbl [15.9 m³] of the brine base. This flocculant is intended for use in freshwater, seawater, monovalent, and calcium brine fluids; however, the effectiveness is reduced in zinc-containing brines. For reclamation applications, optimum flocculant additions are determined through pilot testing.

Toxicity and Handling

Handle the flocculant as an industrial chemical, wear protective equipment, and observe the precautions described in the material safety data sheet. Bioassay information is available upon request.

Packaging and Storage

The flocculant is packaged in 55-galUS [208-L] drums and should be stored in a dry, well-ventilated area. The container must be kept closed and away from heat, sparks, flames, or any other incompatibles. Safe warehousing practices should be followed regarding palletizing, banding, shrink wrapping, and stacking.

Typical Physical Properties

Physical appearance	Viscous clear liquid
Relative density	1.011
pH	7.4
Flash point	>200 degF [93 degC]