

# TRAMFLOC, INC.

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## Technical Information Bulletin

### TRAMFLOC® 148 HSC ANIONIC FLOCCULANT

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

Tramfloc® 148 HSC is an anionic polyacrylamide of medium molecular weight and moderate charge density. Tramfloc® 148 HSC is supplied as a stable, 50-52% active formulation. Tramfloc® 148 HSC is completely water soluble and produces high viscosity solutions at very low concentrations. It has been formulated to offer the highest possible cost effectiveness available because of its extremely high polyacrylamide content, much higher than regular products.

#### ***Uses***

Tramfloc® 148 HSC is used as floc builder and after the addition of poly DMDAC or epiamine coagulants. Tramfloc® 148 HSC is used as general flocculant in a variety of industrial, mining, paper making, and municipal operations. Tramfloc® 148 HSC is used alone or with primary coagulants for clarification and mineral applications, and phosphate and multivalent metal salt removal.

#### ***Make-Down and Properties***

It is recommended that stock solutions, 0.2-0.5%, be prepared from which feed solutions, 0.05-0.1%, are then made. The specific gravity ranges from 1.05-1.15; Bulk viscosity ranges from 250-2500 cP and approximate viscosity @ 5 g/l is about 1600 cP.

#### ***Packaging***

Tramfloc® 148 HSC is available in 1050 kgs net weight tote bins, and in bulk.

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

Polymer solutions should be made-down and diluted in stainless steel, FRP or plastic vessels. Amphoteric metallic components should be avoided. Make-down water temperatures should be between 5-35° C for up to about a year. Tramfloc® 148 HSC 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® 148 HSC 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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