

# TRAMFLOC, INC.

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## Technical Information Bulletin

### TRAMFLOC® 154 ANIONIC FLOCCULANT

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

Tramfloc® 154 is an anionic flocculant of ultra high molecular weight and extremely high charge density. Tramfloc® 154 is supplied as a stable, high density emulsion. Tramfloc® 154 is completely water soluble and produces high viscosity solutions at very low concentrations. Tramfloc® 154 is used as general flocculant in a variety of industrial, mining, paper making, and municipal operations.

#### ***Uses***

Tramfloc® 154 is used as floc builder and after the addition of poly DMDAC or epiamine coagulants. Tramfloc® 154 is used alone or with primary coagulants for clarification, red mud flocculation, alumina processing, DAF/IAF, mineral applications, and phosphate and multivalent metal salt removal.

#### ***Make-Down***

It is recommended that stock solutions, 0.2-0.5%, be prepared from which feed solutions, 0.05-0.1%, are then made.

#### ***Packaging***

Tramfloc® 154 is available in 2300# 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 60-85° F. Tramfloc® 154 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® 154 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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