

# TRAMFLOC, INC.

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## Technical Information Bulletin

### Tramfloc® 321 CATIONIC FLOCCULANT & DEWATERING AGENT

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

Tramfloc® 321 is a high molecular weight, highly charged cationic polyacrylamide. Tramfloc® 321 is supplied as a stable, high density emulsion. Tramfloc® 321 is completely water soluble and produces high viscosity solutions at very low concentrations. Tramfloc® 321 is used as a flocculant and dewatering agent in a variety of industrial, mining, paper making and municipal operations.

#### ***Uses***

Tramfloc® 321 is used for conditioning primary and secondary digested sludges to aid in dewatering. Tramfloc® 321 is used alone or with primary coagulants for clarification.

#### ***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® 321 is available in 450# net weight drums 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<sup>o</sup> F. Tramfloc® 321 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® 321 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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