

## Technical Information Bulletin

## TRAMFLOC® 414B CATIONIC COAGULANT

***Product Description***

Tramfloc® 414B is a high charge and high molecular weight cationic polydadmec formulation. Tramfloc® 414B is supplied as an off-white bead. Tramfloc® 414B is completely water soluble and produces high viscosity solutions at very low concentrations. Tramfloc® 414B is used as a general coagulant in mining applications, a processing aid in industrial operations, and in potable water clarification.

***Uses***

Tramfloc® 414B can be used for a variety of industrial applications, in potable water, pulp and paper making and in hard rock mining. Tramfloc® 414B is used alone or with flocculants.

***Make-Down***

It is recommended that stock solutions, 10-40%, be prepared from which feed solutions, 5-10%, are then made.

***Packaging***

Tramfloc® 414B is available in 55# triple walled bags packed 40 per pallet and in SuperSaks™.

***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. Unopened bags are hygroscopic and should be stored in a cool, dry place.

***Safety and Health***

Dry polymer spills should be left dry and swept up at once. Spills of solutions 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® 414B 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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