

TRAMFLOC, INC.

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Technical Information Bulletin

TRAMFLOC® 821 NONIONIC FLOCCULANT

Product Description

Tramfloc® 821 is an ultra high molecular weight, nonionic polyacrylamide. Tramfloc® 821 is supplied as a granular powder. Tramfloc® 821 is completely water soluble and produces high viscosity solutions at very low concentrations. Tramfloc® 821 is used as a general flocculant in a variety of industrial, mining, paper making and municipal operations.

Uses

Tramfloc® 821 is used, following the addition of poly DMDAC or epiamine coagulant, and is also used as a flocculant in mineral applications. Tramfloc® 821 is applied in DAF/IAF, centrifugation and filtration processes and in removal of multivalent metal salts and phosphates.

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® 821 is available in 55.1# triple walled sacks 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® 821 products have 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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