

TRAMFLOC, INC.

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Technical Information Bulletin

TRAMFLOC® 738 CATIONIC COAGULANT

Product Description

Tramfloc® 738 is a highly charged and high molecular weight cationic polydadmac formulation. Tramfloc® 738 is supplied as a white, 2 mm micro bead. Tramfloc® 738 is completely water soluble. Tramfloc® 738 is used as a general coagulant in mining applications, a processing aid in industrial operations, paper making, tailings treatment, muddy water clarification, and in potable water clarification.

Uses

Tramfloc® 738 can be used for a variety of industrial applications such as potable water, textiles, mining, oil/gas, paper making, and in hard rock mining. Tramfloc® 738 is used alone or with flocculants or inorganic coagulants such as alum. Tramfloc® 738 can reduce or eliminate Al and Fe based coagulants. Tramfloc® 738 greatly reduces sludge volumes when the formulation replaces inorganic coagulants and the product operates effectively across the full pH range. Tramfloc® 738 is NSF® 60 certified for potable water treatment.

Make-Down

It is recommended that working concentration be < 10g/l and maximum use concentration be < 50g/l. pH of a 5g/l solution is 4.0-5.0 and Brookfield viscosity of a 10% aqueous solution is ~100 cps.

Packaging

Tramfloc® 738 is available in 55.1# triple walled bags packed 40 per pallet and in 1650# sacks.

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 dry place < 120° F. Shelf life is 24 months.

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® 738 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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