

TRAMFLOC, INC.

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Technical Information Bulletin

TRAMFLOC® 561 ALUM TABLETS

Product Description

Tramfloc® 561 is the tablet form of alum, $\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$, a widely applied coagulant in a many industrial, municipal, potable and wastewater applications. Tramfloc® 561 is used to precipitate suspended solids from various water streams such as rivers, mine tailings, oily wastewater, emulsion breaking, textile dye fixing, leather tanning, food additives, foaming agents, and zeolites.

Additional Usage Information

Tramfloc® 561 is designed to gradually dissolve upon contact with raw water. Tramfloc® 561 will coagulate fine soil particles, mud, clays and silt rapidly. Tramfloc® 561 is also helps in paper sizing at neutral and alkaline pH's to increase paper quality by reducing spots and improving sheet formation and sizing efficiency.

Manufacturing Specifications

Test	Specification
Aluminum Oxide, Al_2O_3 , minimum	17.0-17.5
Iron, Fe, Content, maximum	0.002
Water Insolubles, maximum	0.03
pH, 1% Aqueous Solution	3.0-3.5
CAS	10043-01-3

Mixing and Dosage

For settling of suspended solids, mineral fines or general debris, Tramfloc® 561 might be initially dosed at the rate of one tablet to 250 gallons of water which will produce a 5 ppm dosage. On-site testing and trials will allow the operator to select the optimum dosage rate. The tablet is of particular importance where capital intensive chemical feeding equipment would be impractical to install.

Packaging

Tramfloc® 561 is packaged in 50 lbs. pails. Each tablet is wrapped in a non-woven pouch for ease of handling. There are 704 pails per container for a net weight of 35200 lbs. per container. Each tablet weighs 100 grams and has ~6 cm diameter and ~2.5 cm thickness.

Handling and Storage

Handle all industrial chemicals with care and consult the material safety data sheet before product use. Tramfloc[®] 561 should be stored in a cool, dry place for up to three years.

Safety and Health

Precautions should be taken to prevent product from entering lakes or streams. Tablets may be swept into trash receptacles and disposed of according to local regulations or treated with an absorbent material, then collected for subsequent legal disposal. Tramfloc[®] 561 has been shown to exhibit a low order of toxicity. Nevertheless, precautions 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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