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## Water Treatment Division

### **Product Data Sheet – Anafloc 6691/6630**

The 6691/6630 series of dry PAM cationic ANANFLOC flocculants of differing molecular weights and charges effectively condition solids for dewatering operations and aid water clarification processes in a wide variety of industries. The chemistry range available ensures there is a product suitable for each individual application.

#### **Advantages**

- Economical to use – effective at very low dosage levels
- Perform well over a wide pH range
- Improve throughput and cake solids
- Achieve high solids capture
- Easily soluble in water
- Dry product minimizes storage requirement

#### **Principal Uses**

- ✓ ANAFLOC dry PAM Cationic flocculants are recommended for the following solid-liquid separation processes:
- ✓ Belt Filter, Centrifuge, screw press dewatering – increased production rate, cake solids and solids capture
- ✓ Water clarification – improves influent, process and effluent water quality by reducing suspended solids and turbidity
- ✓ Dissolved air flotation – result in clearer supernatants, increased float solids and greater throughput
- ✓ Filtration – improve filtered water quality and plant throughput
- ✓ Thickening – improved compaction, settling, drainage and effluent quality

The above are the primary applications for these products. These products may be beneficial in any solid-liquid separation process.

#### **Application**

ANAFLOC dry PAM cationic flocculants should be properly dispersed and dissolved to 0.1 – 0.5% concentration. Dissolution should be completed around 1 hour of agitation, but will be faster in warm water. However, the temperature of water should be refrained from above 50 Deg.C.

#### **Health and Safety**

These products can irritate the eyes and skin, Rubber gloves, goggles and protective clothing are recommended for use while handling. They are not acutely toxic by oral and dermal administration to laboratory animals eye irritation did result. See the Material Safety Data Sheet for complete safety, health and environmental data.



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## TYPICAL PROPERTIES

- Product - Anafloc 6691
- Appearance - Off White Granular Powder
- Ionicity - Strong
- Relative Molecular Weight (x 10<sup>4</sup>) - 1000
- Bulk Density, gr/ml - 0.55 – 0.70
- pH of 0.2% solution @ 25 deg. C - 3 – 6
- Effective in pH Range - 4 – 9

Viscosity, (Brookfield @ 25 deg. C

- 0.1% - 180
- 0.2% - 370
- 0.3% - 500

Residual Acryl amide, wt% - 0.2 Max

## Treatment Levels

For use as

- ❖ Flocculant 0.1 .. 5.0 ppm
- ❖ Air Flotation 0.1 .. 5.0 ppm
- ❖ Thickening 0.1 .. 5.0 ppm
- ❖ Dewatering 0.1 .. 1.0% Dry solid

## Handling and Storage

Solutions are no more corrosive than water and recommended material of construction include stainless steel, fiber glass, plastic, and glass or epoxy-lined vessels. Do not use iron, copper or aluminum, **Spilled polymer is very slippery and should be collected prior to flushed with water.** The shelf life of these products is 12 months when stored in unopened packages in a dry atmosphere at temperatures no higher than 40 Deg. C.

## Important Notice

The information and statements here in are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility or as an assumption of a duty on our part. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information, products or vendors referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.** Nothing herein is to be taken as permission, inducement or recommendation to practice any potential invention without a license.

## Technical Service

Technical service and information for making the best use of these products are available through our representative.