

# Superfloc® 8396

## Dry PAM

Kemira Superfloc 8396 is a highly effective high molecular weight cationic flocculant. It conditions solids for dewatering operations and aids water clarification processes in various industries. It shows exceptional performance in liquid-solid separations in a wide range of conditions.

### Applications

This product may be beneficial in any liquid-solid separation process.

It is especially recommended for:

- Dissolved air flotation
- Filtration
- Belt filter, centrifuge and screw press dewatering
- Thickening
- Water Clarification

### PRODUCT PROPERTIES

	8396
Chemical Type	Cationic Polyacrylamide
Appearance	Off-white, Granular Powder
Relative Charge	High
Molecular weight	Very high
Bulk Density (kg/litre)	0.80
pH of 0.5% solution (25°C)	6 - 9
Viscosity @ 25°C (cp/mPa.sec)	
0.10%	30
0.25%	150
0.50%	280

### Health and Safety

Before handling these materials read the corresponding Kemira Material Safety Data Sheets (MSDS) for safety and health data.

For chemical inventory regulatory control listing information, see the MSDS.

### Benefits

- Dry product minimizes storage requirements
- Economical to use - effective at low dosage levels
- Effective high solids removal
- Effective over a wide range of pH; does not alter the system pH.
- Improve production and cake solids
- Compatible in high electrolyte waters
- Fast dissolution rate of product minimizes mixing time

### Product Addition

Stock solutions can be prepared up to 0.5 % concentration via an automated make-up unit or on a batch basis. Solutions should be aged for a minimum of 30-60 minutes for maximum effectiveness. High quality make up water should be used. Secondary dilution water should be added to the stock solution prior to the addition point at a ratio up to 10:1. Centrifugal pumps should be avoided for polymer transfer.

### Handling and Storage

Solutions are no more corrosive than water and recommended materials of construction include stainless steel, fibreglass, plastic, and glass or epoxy-lined vessels. Do not use iron, copper or aluminium.

The shelf life of these products is 24 months when stored in unopened packages in a dry atmosphere at temperatures no higher than 40°C/104°F.

**Spilled polymer is very slippery and should be absorbed onto an inert material and collected prior to thoroughly flushing with water.**

### Shipping

Superfloc 8396 is delivered in 25 kg moisture-resistant bags. Other pack sizes may be available on request.