

27.8.2014

# SUPERFLOC® 8500 series

## Anionic Dry PAMs

The Kemira Superfloc 8500 series are highly effective high molecular weight anionic and nonionic flocculants. They condition solids for dewatering operations and aid water clarification processes in various industries. They show exceptional performance in liquid-solid separations in a wide range of conditions.

### Applications

These products may be beneficial in any liquid-solid separation process. They are especially recommended for:

- Mechanical dewatering
- Dissolved air flotation
- Filtration
- Gravity settling
- Phosphorus removal.

### 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
- Eliminates or reduces use of inorganic salts
- High storage stability
- Fast settling rates

### 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.

### Handling and Storage

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.

### 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 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.

#### Kemira Oyj

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## Delivery

The Superfloc 8500 products are delivered in 25kg moisture-resistant bags. Other pack sizes may be available on request.

## Regulatory Approvals

These products may conform to certain regulatory requirements. Please contact your Kemira sales representative for more details, or refer to the appropriate regulatory information sheet.

## Product Properties

	8500	8526	8535	8537	8545
Chemical Type	Anionic Polyacrylamide				
Appearance	Off-white, Granular Powder				
Relative Charge	Very Low	Low	Low	Low	Low
Molecular weight	High	Very High	High	Very High	High
Bulk Density (kg/litre)	0.78	0.80	0.80	0.80	0.85
pH of 0.5% solution (25°C)	6 - 9				
Viscosity @ 25°C (cp / mPa.sec)					
0.10%	10	10	20	25	30
0.25%	40	40	50	80	100
0.50%	80	120	100	150	200

	8555	8556	8555VV	8565	8566
Chemical Type	Anionic Polyacrylamide				
Appearance	Off-white, Granular Powder				
Relative Charge	Med	Med	Med	Med	Med
Molecular weight	High	Very High	Ultra High	Low	Very High
Bulk Density (kg/litre)	0.90	0.90	0.90	0.95	0.95
pH of 0.5% solution (25°C)	6 - 9				
Viscosity @ 25°C (cp / mPa.sec)					
0.10%	40	50	40	50	60
0.25%	150	250	200	220	250
0.50%	300	500	350	450	550

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