

June 18

# SUPERFLOC® C-492HMW

## Cationic Dry PAMs

C-492HMW is one of Kemira's highly effective cationic flocculants of high molecular weight. 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

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

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

### 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.

### Health and Safety

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

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

### Handling and Storage

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

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.

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## Delivery

The Superfloc C-492HMW is typically available in 25 kg & 750 kg moisture-resistant bags. Other pack sizes may be available on request.

Kemira sales Representative for more details, or refer to the appropriate regulatory information sheet.

## Regulatory Approvals

These products may conform to certain regulatory requirements. Please contact your

## Typical Product Properties

	C-492HMW
Chemical Type	Cationic Polyacrylamide
Appearance	Off-white, Granular Powder
Relative Charge	Low
Molecular weight	Very High
Bulk Density (kg/litre)	0.75
pH of 0.5% solution (25°C)	3-5
Viscosity @ 25°C (cP / mPa.sec)	
0.10%	120
0.25%	300
0.50%	600
1.00%	1500

The typical product properties are stated for guidance only and may change overtime . Please refer to the product specific Kemira Sales Specification for the actual product specification.

Kemira makes this information available as an accommodation to its customers and it is intended to be solely a guide in customer's evaluation of the products. You must test our products, to determine if they are suitable for your intended uses and applications, as well as from the health, safety and environmental standpoint. You must also instruct your employees, agents, contractors, customers or any third party which may be exposed to the products about all applicable precautions. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. You assume full liability and responsibility for compliance with all information and precautions, and with all laws, statutes, ordinances and regulations of any governmental authority applicable to the processing, transportation, delivery, unloading, discharge, storage, handling, sale and use of each product. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. Superfloc are trademarks or registered trademarks of Kemira Oyj or its subsidiaries.

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