

KEMFLOC DC 6291

Anionic Poly Acrylamide

INTRODUCTION

KEMFLOC 6291 is a medium molecular weight synthetic flocculant based on a co-polymer of acrylamide and sodium acrylate. It is designed for solid-liquid separation and floatation aid in low density application in wastewater treatment In food and dairy industries.

PROPERTIES

Appearance:	White, almost odourless powder
Chemical Composition:	Polyacrylamide derivative
pH (0.5% solution):	6 - 8
Ionic Character:	Anionic
Melting Point Range:	Thermal Composition can take place above 200°C
Boiling Point Range:	N.A.
Flash Point:	N.A.
Vapour Pressure:	Negligible
Viscosity:	>1800 Cps

AREAS OF APPLICATION

- ◆ As a floatation aid for DAF in Food and Dairy industries.
- ◆ To improve the sludge dewatering effect and sludge compaction.
- ◆ As a filter Aid for belt press application.
- ◆ Used for sedimentation and dewatering in wastewater applications.

METHOD OF APPLICATION

KEMFLOC 6291 is to be administered in small dosages ranging from 1-10 ppm. in the form of dilute solution. Recommended & most suitable dilution is 0.05 to 0.1%.

DISSOLUTION AND DOSAGE

KEMFLOC is delivered in a white odourless powder form and needs to be dissolved in water before use.

This is done in three stages:

1. Wetting.
2. Dissolving to stock concentration.
3. Dilution to feed concentration.

Polyelectrolytes are used as an aqueous solution. Since extremely high molecular weight compounds are highly coiled even at low concentrations, the concentration of this solution should be kept as low as possible.

The recommended ready-to-use concentration ranges between 0.1 and 0.05%. This concentration range allows for the preparation of solutions. However, if only a limited amount of dissolving capacity is available, a 0.5% solution is prepared. After the recommended dissolving time (approx. 60 min) the solution is discharged into a storage tank and can be further diluted to 0.05 to 0.1% by adding water via a static mixer connected downstream

ADVANTAGES

Retention time is low.

Less quantity required than normal coagulants.

Energy consumption is less.

Treated water can be easily discharged or re-used for other applications.

HANDLING

Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Use personal protective equipment.

STORAGE

Keep tightly closed in a dry and cool place.

Chembond Water Technologies Limited

Chembond Centre, EL-71 Mahape MIDC,
Navi Mumbai 400710. INDIA.

T: (+91 22) 62643000-03 • F: (+91 22) 27681294

www.chembondwater.com

info@chembondindia.com