



# CAREFLOC 90

**Ultra high molecular flocculant for high efficiency wastewater Sludge Dewatering in decanters, centrifuges, (belt)filterpresses and vacuumfilters.**

## DESCRIPTION

CareFloc 90 is a broad range cationic emulsion flocculant, with a high degree of charge and very high molecular weight. CareFloc 90 is designed for high rate dewatering of activated sludge from wastewater treatment plants on board Cruise liners , Merchant vessels and Navy vessels.

## ADVANTAGE

- Economical to use - effective at lower dosage levels
- Achieve high solids removal efficiencies
- Easily soluble in water; dissolves rapidly
- Exceptional high molecular weight and broad cationic range

## APPLICATIONS

CareFloc 90 is used for dewatering of activated sludge from combined waste water treatment plants on board ships. CareFloc 90 creates high dewatering rates, what results in energy savings on the incinerator(s). A high percentage Dry Solids after the dewatering equipment (decanter, centrifuge, (belt)filterpress or vacuumfilter), reduces the amount of sludge to be landed or the be dried.

CareFloc 90 can be used in conjunction with all modern wastewater treatment plants, as Scanship AWB, Hamworthy MBR, Rochem LPRO and Bio-Filt, Zenon ZeeWeed MBR, Scanship AWP, Hydroxyl CleanSea, Evac MBR.

## DIRECTIONS FOR USE

CareFloc 90 has to be diluted to 1 % as stable stock solution, or has to be diluted to working solution of 0,1 - 0,5 %. Dilution has to be done by a slow running mixer or a recirculation pump. The flocculant has to be added to high quality water, as reversed osmosis water.

- High efficiency
- Easily soluble in water
- Broad cationic range
- High dewatering rate

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### DIRECTIONS FOR USE (CONTINUED)

Avoid centrifugal pumps for polymer transfer, high sheer pumps will crack the molecular chains.

CareFloc 90 is dosed at a rate of 1 - 5 ppm (based on undiluted product). Best is to use a multipoint distribution header, distribution ring or pipe flocculator.

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

CareFloc 90 has to be stored between 5 and 30 °C. Avoid Freezing.

Agitate the product well before use.

### DOSAGE

See Direction for use.

### PROPERTIES

Article number	14418
pH	4 - 7
Density	1,1 - 1,2 g/cm <sup>3</sup>
Flashpoint	> 93 °C
Physical state	Liquid, light amber colored
Viscosity @ 25 °C	5000 cP/mPa.sec)

### APPROVALS

For detailed information on safety and health, please refer to the Material Safety Data Sheet MSDS and/or product label.

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