

## Nalpreme NP 1845 C

NP 1845 C is a cationic, low molecular weight polyquarternary ammonium type polymer supplied in easy-to-use liquid form. It is used as a coagulant and/or coagulant-aid in the clarification treatment of water where it can partially to totally replace conventional inorganic metal salts (e.g. aluminum or iron salts). Such water includes raw water for potable or industrial usage, industrial circulating process waters and effluents, municipal sewage, textile wastewaters etc.

### TYPICAL PROPERTIES

Appearance	Viscous, clear, straw-colored liquid
Specific Gravity 25°C	1.08-1.09
pH (neat)	5.0 – 7.0
Viscosity 25°C, cps	8000 - 13000
Solubility in water	Excellent
Active Polymer, %	39 - 41
Storage Stability, years	2

### ADVANTAGES

- Rapid floc formation producing dense flocs, which settle quickly and allow increased throughput in the clarifiers
- Improves final water clarity especially in high turbidity waters
- Produces low volume, compact, high solids settled sludge reducing water wastage in de-sludging operations and improves filtrability of sludges
- Reduces carry-over of flocs into the filters thereby extending filter life between backwashing operations
- Chlorine resistant and works over a wide pH range from 4 to 10

- Reduces content of metal salts in the treated water
- Economical and easy to use

### APPLICATION

NP 1845 C must be diluted with clean water at least 1:10 prior to dosing. Dosing point should be thus selected as to provide for turbulent, prolonged mixing with the water to be treated in order to optimize performance. If used in conjunction with inorganic coagulant, the inorganic is usually added first but in many cases, the products can be dosed at the same point. NP 1845 C may also be pre-mixed with inorganic coagulant. In cases where a secondary coagulant/flocculant is used, NP 1845 C should be dosed first.

Typical dosages depend on the particular application:

Clarification/settling	0.1 - 10 mg/l
Flotation	5 - 100 mg/l
Sludge dewatering	10 - 100 kg/ton dry sludge

### HANDLING & TOXICITY

NP 1845 C is non-toxic and approved by the US NSF and other official institutions for use in the treatment of potable water.

The products should be stored in a cool dry place. Spillage should be avoided, as spilled polymer is slippery. Wash spills with plenty of water. The use of protective splash goggles and gloves is recommended when handling the product. Consult the MSDS for additional information.