

Cationic Polyelectrolyte

Doshion C 8100 is a high efficiency cationic polyelectrolyte specially designed for solid-liquid separation processes.

Features:

- Doshion C 8100 is a medium molecular weight, cationic polyelectrolyte.
- It is used as a primary coagulant or coagulant aid in water and wastewater clarification.
- It is highly effective as a replacement for, or can be used in conjunction with, inorganic coagulants such as ferric salts or alum.
- Doshion 8100 C is chlorine resistant and effective over a broad pH range.

Physical and Chemical Properties	
Form	Solid Powder
Colour	White Crystalline
Odour	Slight
pH	3 – 8
Water insoluble matter	< 0.1 %
Dissolving Time	< 60 min
Flash point (°C)	>100°C
Autoignition temperature (°C)	>200°C
Vapour pressure (mm Hg)	0.13 @ 20°C
Density	0.6 – 0.7 g/ cm ³
Water solubility	Completely miscible
Viscosity (Brookfield CPS)	0.1 % - 20 to 40
	0.2 % - 40 to 70
	0.3 % - 60 to 100

Stability and Reactivity	
Stability	Product is stable, no hazardous polymerization occur.
Materials to avoid	Oxidizing agents may cause exothermic reactions.
Hazardous decomposition	No decomposition if stored and applied as direct. Burning of the dried material can produce: hydrogen chloride gas, chloride gas, nitrogen oxides (Nox) & carbon oxides

Advantages:

- Liquid polymer.
- Easy to feed.
- Acceptable for use in drinking water applications.
- Unique high charge, high molecular weight cationic polymer.
- Effective in a wide range of wastewater and water clarification applications.
- Forms a strong floc.
- Improved finished water quality.
- May reduce or replace organic coagulants.
- Reduce sludge regeneration



Full Range of Membrane Performance Chemical

RO Membrane Chemicals	Aquasoln Range for RO	UF Membrane Chemicals
DCC - Bior	Aquasoln R 102	DCC - UFC - I
DCC - Inor	Aquasoln R 104	DCC - UFC - O
DCC - Col	Aquasoln R 106	DCC - UFC - C
DCC - Stor	Aquasoln R 109	DCC - UFC - S
Doshion - 51 (HS)	Aquasoln R 201	
Doshion - 52 (L)	Aquasoln R 202	
Doshion - 53	Aquasoln R 203	
DoScale - 65	Aquasoln R 500	
Doshion - 6311 - LS	Aquasoln R 501	
	Aquasoln R 502	
	Aquasoln R 503	
	Aquasoln R 504	
	Aquasoln R 505	
	Aquasoln R 601	
EDI Membrane Chemicals	Speciality Chemicals	Resin Cleaners
EDC - SNO - IO - 56	Doshion - 1180	Resiclean 1
EDC - SNO - IO - 74	Doshion - C 8100	Resiclean 2
	Doshion - 3426	Resiclean 3
	Doshion - 9711 (P)	Resiclean 4
	Doshion - 9718 (Z)	

doshion[®]
Translating Source Into Resource

Doshion Poly Science Pvt. Ltd.

Building Number: 9 – 10, Sigma Corporates,
 Off. Sindhu Bhavan Road, Ahmedabad – 380054, Gujarat, India
 +91 079 – 4800 7766 | polymers@doshion.com | www.doshionpoly.com

