



NIKITA
TRANSPHASE ADDUCTS PVT. LTD.

C3/26 Samruddhi Soc, B. Parulekar Marg
Dadar(W), Mumbai 400028, INDIA
Tel : +91.22.2432 8735 Telefax : +91.22.2430 2271
email : info@ntapl.com website : www.ntapl.com

PolyFloc 550-5050 Series		
About	PolyFloc Series is a highly cationic solution almost linear polymers formed by condensation of secondary amines and epihalohydrins. It's primary use is in industrial water treatment uses.	
Formula/Structure	$\sim[(\text{CH}_2\text{-CH.OH-CH}_2)(\text{CH}_3)_2(\text{EA})\text{N}^+\text{Cl}^-]_n\sim$	
CAS No	92769-10-3	
Applications	<p>PolyFloc is an excellent flocculating agent for control of anionic suspensions, and floating matter. Thanks to the presence of a strongly cationic quaternary ammonium ion, it retains the cationic charge irrespective of the pH of the medium. It finds use in coagulation of latex, paper and pulp, automotive and several other industries.</p> <p>Specific applications are as follows:</p> <ol style="list-style-type: none"> 1. Neutralization of anionic charge on colloidal and dissolved substances. 2. Increased solid recovery in industrial effluent/sewage treatment plants. 3. Improvement of water clarity/filtration, recovery of fines. 4. Coagulation of synthetic latex . 	
How to Use PolyFloc	<p>PolyFloc is supplied as a 50% concentration product. It should be diluted to 5-10% concentration before use. Extensive and continuous tests for level of anionic charge should be carried out to estimate optimal dosage level and location for each application. Typically, as low as 50ppm to as high as 1% on solids basis might be required.</p> <p>Storage should be in non-corrosive MoC. Pipes, pumps used for transport should be corrosion resistant.</p>	
Specifications	<i>Physical Form/Colour</i>	Yellowish to Amber Viscous liquid
	<i>active Content</i>	50% w/w
	<i>pH</i>	4.0-7.0
	<i>Sp Gr</i>	~1.11-1.16
	<i>Viscosity(cps)</i>	50-5000 as per requirement
Packing	50 kg carboy / 200 kg Drums (HDPE)	