



Technical Data Sheet

MATERIAL: Polystyrene sulfonate, sodium salt

CATALOG NO.: 574

CAS NUMBER: 25704-18-1

DESCRIPTION: Sulfonated polystyrene, sodium salt

FORMULA: $(C_8H_7O_3SNa)_x$

TYPICAL PROPERTIES:

Appearance:	Powder
Approx Mw:	70,000
Decomposition temp:	460°C
pH:	4-8 (20% solution)
Solubility:	Lower glycols and water

GENERAL INFORMATION: Product is an anionic polyelectrolyte of sodium polystyrene sulfonate prepared under conditions that yield a high degree of substitution. The high degree of sulfonation imparts properties to the polymer that make it suitable for a variety of applications; in water treatment as scale control additives and dispersants; in oil fields as flocculants, fluid loss control agents and viscosifiers; and in photographic imaging as complexers and antistats.

STRUCTURE: