



Technical Data Sheet

MATERIAL:	Poly(acrylic acid), sodium salt
CATALOG NUMBER:	515
CAS NUMBER:	9003-04-7
DESCRIPTION:	Acrylic acid homopolymer, sodium salt
FORMULA:	$(C_3H_3O_2)_x \cdot xNa$

TYPICAL PROPERTIES:

Appearance:	Powder
Sodium ion:	17.5%
Residual carboxyl:	10%
Approx Mw:	2,100
pH:	5.5-6.5
Solubility:	Water

GENERAL INFORMATION:

Sodium polyacrylates are water soluble polymers which have been used in a variety of applications including cooling water treatment, scrubber treatment, boiler water treatment and soap and detergent formulations.

STRUCTURE: