



Technical Data Sheet

MATERIAL: Poly(acrylic acid), sodium salt

CATALOG NUMBER: 514

CAS NUMBER: 9003-04-7

DESCRIPTION:

FORMULA: $(C_3H_3O_2)_x \cdot xNa$

TYPICAL PROPERTIES:

| | |
|--------------------|-----------|
| Appearance: | Powder |
| Sodium ion: | 18.9% |
| Residual carboxyl: | 10% |
| Approx Mw: | 6,000 |
| pH: | 5.5-6.5 |
| Apparent gravity: | 0.5 gm/cc |
| Solubility: | Water |

GENERAL INFORMATION: Sodium polyacrylates are watersoluble 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: