

POLYMAN – 4010Na

(Acrylic homo-polymer – Sodium salt)

(sodium polyacrylate)

Introduction:

POLYMAN 4010Na is a sodium salt of acrylic homo-polymer (sodium polyacrylate) used for various water treatment applications and industrial applications. The product is working excellently over **wide range of pH and temperature as well as high hardness of water** without precipitation. Apart from thermal stability, the product has good **stability over oxidizing agent like chlorine**. The product is non-phosphorus; non-foaming dispersant and has good environmental acceptability.

Properties of POLYMAN 4010Na:

Property	POLYMAN 4010Na
State	Liquid
pH	10.0±1.0
Density @ 25 °C	1.25 ± 0.05
Color	Colorless to pale yellow
Odor	Almost odorless
Solid Content	Min.54.0 ± 2%
Average mol. Wt.	Approx. 5500
Solubility in Water	Soluble in all proportions

(These are typical values and not the final specifications)



Applications: POLYMAN 4010Na is widely used in the following industries:

- 1) Paint and Ink industry:** It is used as a dispersant in water based paint / ink formulations for smoothness, glossiness, non-bubbling of product, and as a binder etc.
- 2) Pigment industry:** Dispersion with smoothness and ease of workmanship.
- 3) Cement industry:** Cement dispersion with anticorrosion and water proofing properties.
- 4) Ceramic Industry:** Dyes and pigment dispersion, stone powder dispersion.
- 5) Water proofing:** Water proofing for cracks on horizontal as well as vertical surfaces & water proofing before applying the paints.
- 6) Water treatment industry:** It has good calcium trapping ability and so highly effective in industrial water treatment as dispersant and Scale Inhibitor.
- 7) Detergent and cleaning materials industry:** It gives the best detergency even with hard water and with the properties of thickening, anti-settling, binding, transparency in liquid formulations etc.
- 8) Thickener:** It is used as a thickener in various types of formulations like cleaners, liquid soaps etc.

Safety and Handling: POLYMAN 4010Na is generally safe but avoid contact with eyes. Do not take internally. In case of contact with skin, wash with plenty of water. In case of contact with eyes, flush with water and get prompt medical attention. Gloves and goggles are necessary while handling the product.

Storage: POLYMAN 4010Na is non-flammable, and non-combustible. It should be stored under shade. Keep the product away from direct sunlight.

Packing: POLYMAN 4010Na is available in 55Kg Carboy / 225Kg Polydrum.

Contact Us:

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