

# POLYMAN - 1400

## (Carboxylic – Sulphonate co-polymer)

### INTRODUCTION:

**POLYMAN 1400** is a Carboxylic – Sulphonate co-polymer used for various water treatment and industrial applications. It is highly effective as **Dispersant and Scale Inhibitor** in Industrial Water Treatment and Cooling Water Treatment as well as in all types of water based formulations. The product **POLYMAN 1400** being a **low molecular weight** polymer has good anti-gelling capacity and so has **best calcium trapping ability** working over **wide range of pH, high hardness and temperature** without precipitation.

Strong acidic functional group like sulphonic acid in the monomer plays an important role in imparting more negative charge on iron oxide particles. It is well known that higher the negative charge imparted on the particles, stronger the repulsive force between the charged particles and hence better dispersant. It is suggested that the substitution of Carboxylic group with stronger acidic and bulkier groups like sulphonic acid markedly improves the dispersant power of the polymer.

The product is non-phosphorus; non-foaming dispersant and has good environmental acceptability.

Property	POLYMAN 1400
State	Liquid
pH	6.0-8.0
Density	1.17±0.02
Color	Water white to pale yellow
Odor	Acrylic like
Solid Content	31% min.
Average mol. Wt.	Approx. 1400
Solubility in Water	Soluble in all proportions



\*Properties mentioned and color shown in the photo above is for general idea of the product.

### ADVANTAGE:

**POLYMAN 1400** is very widely used in industrial water treatment as dispersant and scale inhibitor. It inhibits build up of scale by solubility enhancement, crystal growth modification and the dispersion property of the low molecular weight polymer structure.

### SAFETY AND HANDLING:

**POLYMAN 1400** is generally safe but avoid contact with eyes and prolonged contact with skin. 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 should be used while handling the product.

### STORAGE:

**POLYMAN 1400** is non-flammable, non-combustible. It should be stored under shade. The product should not be exposed to direct sunlight.

### PACKING:

**POLYMAN 1400** is available in 55Kg Carboy / 250Kg Polydrums

### Contact Us:

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