

# POLYMAN™ -QUAD-1

## (Carboxylic-Sulphonate quadruple polymer)

### INTRODUCTION:

**POLYMAN-QUAD-1** is a unique **Carboxylic-Sulphonate quadruple 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-QUAD-1** 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.

**POLYMAN-QUAD-1** is a polymer capable of inhibiting both calcium carbonate and calcium phosphate scale. The polymer also inhibits calcium sulphate scale and provides iron stabilization. The polymer is especially effective in highly stressed systems that contain high electrolyte concentrations and have a high number of cycles of concentration.

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

Property	POLYMAN-QUAD-1
State	Liquid
pH	2.0-3.0
Density	1.2 ± 0.02
Color	*Water white to pale yellow
Odor	Acrylic like
Solid Content	40.0 ± 2.0
Average mol. Wt.	Approx. 2000
Solubility in Water	Soluble in all proportions



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

\*A slight haze may appear; this does not affect the intrinsic properties of the product or its performance.

### ADVANTAGE:

**POLYMAN-QUAD-1** 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-QUAD-1** is generally safe but one should 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-QUAD-1** is non-flammable, non-combustible. It should be stored under shade. The product should not be exposed to direct sunlight.

### PACKING:

**POLYMAN-QUAD-1** is available in 55Kg Carboy / 250Kg Polydrums

### Contact Us:

#### MANHAR CHEMICAL SPECIALITIES

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