

## EBCALAN 2000

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EBCALAN 2000 is an Acrylic/Maleic copolymer designed to provide selected benefits in household and industrial cleaning formulations. EBCALAN 2000 molecular weight and monomers ratios are selected to deliver optimum performance in both laundry and ware wash applications.

### 1. SUPPLY SPECIFICATIONS

• Chemical nature	Sodium salt of acrylic-maleic acid copolymer
• Appearance	Clear yellowish viscous liquid

### 2. TYPICAL VALUES

• Solid content	40.0±2.0 %
• pH (20% soln. @ 23°C)	7-9
• Viscosity (Brookfield; as is @ 20 °C, spindle No. 3 @ 50 rpm)	750.0±250.0 mPas
• Average molecular weight	55,000-75,000
• Maleic acid residual	< 3000 ppm
• Acrylic acid residual (ppm)	<500 ppm
• Inorganic salt residual	≤ 0.2 ppm

### APPLICATIONS

EBCALAN 2500 molecular weight and monomers ratios delivers optimum performance in both laundry and ware wash application for the following reasons:

- EBCALAN 2500 acts as anti-precipitator by increasing solubility of inorganic salts (carbonates, sulfates of Ca and Mg ions) in wash bath, preventing its deposit on fabrics or dishes.
- EBCALAN 2500 helps in crystal distortion as the polymer gets entrapped into crystal lattices facilitating its breakage. And this will minimize the adherence of salts on fibers and facilitate their elimination by rinsing.
- EBCALAN 2500 polymer is an excellent dispersant for proteinaceous stains that have been previously removed from application for the following reasons:

- ☑ EBCALAN 2000 acts as anti-precipitator by increasing solubility of inorganic salts (carbonates, sulfates of Ca and Mg ions) in wash bath, preventing its deposit on fabrics or dishes.
- ☑ EBCALAN 2000 helps in crystal distortion as the polymer gets entrapped into crystal lattices facilitating its breakage. And this will minimize the adherence of salts on fibers and facilitate their elimination by rinsing.
- ☑ EBCALAN 2000 will enhance the suspending properties by keeping insoluble, or partly insoluble, builders (such as zeolite or layered silicate) uniformly suspended in the wash bath and prevent them from setting on fabrics.
- ☑ EBCALAN 2000 polymer is an excellent dispersant for proteinaceous stains that have been previously removed from fabrics.
- ☑ EBCALAN 2000 polymeric nature increases the binding properties resulting in producing more homogeneous and less dusty mixture. EBCALAN 2000 can be used in non-phosphate or reduced phosphate laundry, industrial and institutional formulations to control the formation of insoluble scale (encrustation) and maintain fabric whiteness. The polymer delivers the following advantages:
- ☑ Crystal growth modification, leading to reduction in the level of insoluble carbonates and silicates scales formed during the washing process.
- ☑ Excellent dispersant, helping in controlling the deposition of insoluble salts on fabrics, machine components (heating elements),
- ☑ Processing aid in the production of powder detergents; reduces the number of fines and dusting subsequently, lower the energy consumption.
- ☑ Incrustation inhibitor, for phosphate free or low phosphate detergents.

### SPECIFIC PROPERTIES

EBCALAN 2000 is useful, also, as water treatment agent in boiler feed water, cooling water, air conditioning water, circulation water, commercial water systems and, waste water treatments.

### PACKAGING

250 kilogram plastic drums, 1200 kilogram IBC Tank, or 20MT ISO Tank.

### STORAGE

- This product has a shelf life of 12 months in the original sealed package at ambient temperature.
- The container should be closed tightly after each use.
- The Technical data ascertained by our quality control laboratory at the time of product release may vary according to the storage time and storage conditions and may deviate from the stated limits.

Egyptian British Company maintains Material Safety Data sheets (MSDS) on all of its products. These contain important information that you may need to protect your employees and customers against any known health and safety hazards associated with our products. We recommend you to obtain copies of MSDS for our products, from our technical representative, and obtain copies of MSDS from your suppliers of other raw materials used with our products.