

## CWT-302

### SCALE REMOVER

#### DESCRIPTION:

CWT-302 is a 100% active granular formulation of citric acid. CWT-302 may be used to remove hard water scales and other residues from heat exchangers, condensers and cooling towers. It is recommended that a dispersant be utilized in conjunction with CWT-302 in the off-line cleaning of process equipment.

#### GENERAL APPLICATIONS:

The feed rate of CWT-302, as well as the selection of the appropriate dispersant, is dependent upon the type of equipment to be cleaned, the amount of scale present and the composition of the scale. For optimum results, the recommendations of your KML Technical Representative should be followed. In general, several additions of 20 pounds of CWT-302 per 100 gallons system volume will be necessary to depress the pH to a range of between 2.5 and 4. Once it has been determined that the scale has been removed, the equipment should be thoroughly flushed. It may be desirable or necessary to mechanically remove any residual traces of deposits following the chemical cleaning.

#### PACKAGING & HANDLING:

CWT-302 is available in 50-pound pails, and 100-pound bags. It should be stored in a cool dry place.

#### ADVANTAGES:

- Less corrosive than mineral acids on most materials
- Nearly as fast acting as hydrochloric acid at calcium carbonate dissolution at equivalent hydrogen ion concentrations
- Readily reactive with most deposits to form high water soluble salts-reducing risk of redeposition of dissolved solids

#### Typical Product Characteristics

App.....White - translucent crystals  
Density at 25°C .....1.66 – 1.68 g/ml  
Weight per US gallon ...13.93 lbs./gal  
pH of product .....2.0

#### SAFETY & HANDLING:

Improper handling of this product can be injurious to workers. Observe all safety precautions shown on the label and in the Material Safety Data Sheet. Wear proper protective equipment listed on the MSDS. Follow the instructions of your KML Representative in the proper use of this product.