

- Control corrosion in evaporator condensers and cooling tower systems
- Provides superior corrosion control and inhibits scale deposition
- Most effective corrosion inhibitor known for cooling water systems
- Easy-to-use and feed into equipment

## Water Treatment Products

### Cal-Treat 233



### Description

Cal-Treat 233 is a synergistic formulation of two organic phosphonates, two poly acrylates for silt dispersion, and a combination corrosion inhibitor package consisting of zinc and molybdate inhibitors as well as benzotriazole copper corrosion inhibitor.

### Application

Soft, low alkalinity waters are hungry and tend to eat up condensers and piping in water-cooled air conditioning and refrigeration systems. As corrosion products build up, efficiency goes down and maintenance costs go up. Eventually, leaks occur and the equipment has to be shut down. Put a stop to corrosion problems with Cal-Treat 233, the most effective corrosion inhibitor known for cooling water systems.

### Directions for Use

As a general rule this treatment should be used where the make-up water has a total alkalinity of below 30 parts per million or where there is definite evidence of corrosion. This information can be obtained from the local water company, or through the use of a Nu-Calgon Test Kit.

Treatment residual should be 200-250 ppm for complete corrosion protection. At the same time, bleed off should be 0.25-0.36 gal/hr/ton to keep the cycles of concentration at or below 8.0 to 6.0, respectively, for corrosion waters. Use the K1583 Phosphonate Test Kit to monitor treatment residual.

### Feeding

Feed the Cal-Treat 233 with the easy-to-use No. 215 or No. 1075 Drip Feeders. This field-tested device can be used most economically on systems up to 90 tons. Each feeder is carefully tested and calibrated to provide an accurate predictable feed rate. In addition, the 4607-0 holder should be used to secure the 5 gallon pail of Cal-Treat. For systems larger than 90 tons, Cal-Treat 233 should be fed with the CMS Feed Pump.

### Testing

Treatment should be 200-250 ppm as product.

### Packaging

5 gallon pail **4149-05**

USAGE DATA: 1.0 gallon/month per 30 tons  
Bleed: 0.25 gal/hour/ton  
Cycles: 8.0 (max allowable HCO3500 ppm)  
Treatment residual: 200 ppm (min.)

Read and understand the product's label and Material Safety Data Sheet ("MSDS") for precautionary and first aid information.

The MSDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com).

