

4149-05



# Cal-Treat No.233

## COOLING WATER TREATMENT

*For Controlling Corrosion and Scale  
in Evaporative Condensers and  
Cooling Tower Systems*



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

### DIRECTIONS FOR USE:

**This product must be used in accordance to the following directions by HVACR professionals only.**

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 No. 89A Test Kit (4798-2). 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. Add Cal-Treat NO. 233 and set bleed-off with any commercially available controller designed to monitor water quality on open loop water systems. Use the Organic Phosphonate Test Kit (4804-0) or No. 89A Test Kit (4798-0) to monitor treatment residual.

**KEEP FROM FREEZING:** Keep container closed when not in use. If frozen, thaw and remix before use.

For additional questions, visit [www.nucalgon.com](http://www.nucalgon.com) or contact Nu-Calgon.

### DANGER

May be corrosive to metals.  
Causes severe skin burns and eye damage.



**PREVENTION:** Keep only in original packaging. Do not breathe mist or vapor. Wash thoroughly after handling. Wear protective gloves, protective clothing, and eye and face protection.

**RESPONSE:** Absorb spillage to prevent material damage. **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **IF ON SKIN (OR HAIR):** Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**STORAGE:** Store locked up. Store in a corrosion resistant container with a resistant inner liner. **Keep out of the reach of children.**

**DISPOSAL:** Dispose of container in accordance with local, regional, national and international regulations.

Contains (CAS #): Zinc nitrate (7779-88-6), Sodium Potassium Hydroxide (1310-58-3).



Corrosive Liquids, N.O.S.  
(Contains: Potassium Hydroxide)  
UN 1760



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[www.nucalgon.com](http://www.nucalgon.com)  
(0421) Calgon is a licensed trade name.

Qty 1  
**B82-043**  
4149-05 Cal-Treat No. 233 5 gal  
**CHM00350**  
4149-05 Cal-Treat No. 233 5 gal  
  
1 Each

**FOR PROFESSIONAL USE ONLY**

**5 U.S. Gallons (18.9 liters)**