

PREVENTATIVE MAINTENANCE & TREATMENT FOR EVAPORATIVE COOLERS

- Prevents scale & corrosion
- Inexpensive... lasts all season
- Easy to install
- Increases pad life
- Maintains cooler performance
- Utilizes 6R Micromet®, a food-grade NSF-certified polyphosphate

Description

For over fifty years, a specialized slowly soluble, food-grade inorganic phosphate known as Micromet has been used to stabilize or “sequester” hardness minerals, and thereby avoid or prevent scale formation in ice machines, cooling towers, humidifiers, etc. For evaporative coolers, a special form of this glassy phosphate known as 6R Micromet® has been used effectively in preventing scale and maintaining equipment efficiency. It is NSF-certified, and it is the active ingredient in Evap-Treat.

Since evaporative coolers are an established and proven method of cooling and since it is nearly impossible (due to expense, practicality, etc.) to use mineral-free water, a procedure or preventative maintenance program for dealing with the scale-forming minerals must be utilized so that scale is prevented and the equipment operates at optimum efficiency. Evap-Treat™ fits this need.

Application

Evaporative coolers, or “swamp coolers” as they are often referred to, are devices used for air conditioning or cooling in drier climates where dry-bulb temperatures of 90°F or more occur simultaneously with wet-bulb temperatures of 75°F and below. The wider this gap, the greater the opportunity for efficient evaporative cooler applications. They accomplish cooling by adding moisture or humidity to the ambient air.

Water Treatment Products

Evap-Treat™



Water is allowed to flow over a media or evaporative pad while warm, dry ambient air is forced across the wet media. Evaporation is induced, and the dry ambient air is cooled. Evaporative coolers can be used to directly cool ambient air for comfort air conditioning, or used as “pre-coolers” on mechanical air conditioning (air-cooled) condensers.

As water is brought into an evaporative cooler and evaporated, its scale-forming minerals remain behind in the recirculating water and begin to “fall out” or precipitate as scale, plugging the media, reducing evaporation space for the water as well as air flow. In turn, the equipment’s efficiency is reduced and the desired cooling is not achieved. Unfortunately, the process continues until the media pad becomes a “solid piece of scale.” Evap-Treat can prevent this.

Packaging

For coolers up to 6,500 cfm **4173-04**
For coolers up to 10,000 cfm **4173-06**

DIRECTIONS FOR USE

1. If necessary, clean and flush the system.
2. Place the Evap-Treat™ in the cooler sump, preferably near the float valve or inlet.
3. Install a bleed, purge or power dump as follows:
 - up to 6,500 cfm: 6.5 fl. oz. per minute.
 - up to 10,000 cfm: 12 fl. oz. per minute.
4. Replace the Evap-Treat™ every six months, or at season's end.

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.

