

# WATER TREATMENT SOLUTIONS

ACID CLEANING AND  
DESCALING FOR  
COOLING TOWERS &  
EVAP CONDENSERS



SCALE & CORROSION  
PROTECTION FOR SMALL  
COOLING TOWERS &  
EVAP CONDENSERS...  
LASTS SIX MONTHS



SCALE &  
CORROSION  
PROTECTION FOR LARGE  
COOLING TOWERS  
EVAP CONDENSERS...  
EASY-TO-USE  
CONCENTRATED  
LIQUIDS



ALL-IN-ONE  
TREATMENT  
PRODUCTS FOR CLOSED,  
HOT OR CHILLED WATER  
SYSTEMS, AND LOW  
PRESSURE STEAM  
HEATING BOILERS



QUALITY PRODUCTS FROM  Nu-Calgon

**SOURCE YOUR WATER TREATMENT  
NEEDS FROM YOUR LOCAL WHOLESALER**

# CLEANING COOLING TOWERS & EVAPORATIVE CONDENSERS PRIOR TO TREATMENT

**Liquid Scale Dissolver** is a hydrochloric (muriatic) acid that is formulated to safely remove lime scale deposits from cooling towers and evaporative condensers. It is very economical, plus it includes a pH color indicator to guide the cleaning process. In addition, it provides the utmost in safety due to its low foaming capability.

**Packaging: 4330-08 (1-gallon), 4330-05 (5-gallon pail) and 4330-01 (55-gallon drum)**



**Eco-Lyme** is new chemistry to the HVAC/R market that provides performance with a desired eco-profile when descaling cooling towers and evaporative condensers. The active ingredient in Eco-Lyme approaches the descaling behavior of hydrochloric based descalers. Eco-Lyme is the chemistry of choice for equipment containing stainless steel and/or aluminum components. Eco-Lyme provides added safety in that it is virtually odorless and has low foaming tendencies. Product does not contain a pH colorant. Eco-Lyme is readily biodegradable and NSF listed.

**Packaging: 4167-08 (1-gallon), 4167-05 (5-gallon pail), and 4167-01 (55-gallon drum)**

Tonnage - Cooling Towers, Shell and Tube Condensers	Initial Dosage*	
	Liquid Scale Dissolver	Eco-Lyme
10	2 gallons	4 gallons
25	5 gallons	10 gallons
50	10 gallons	20 gallons
100	20 gallons	40 gallons
150	25 gallons	50 gallons
250	50 gallons	100 gallons
500	100 gallons	200 gallons

\* Dosage recommendations are for condensers that receive periodic or annual water descaling maintenance. When maintenance is neglected and adverse amount of confirmed scale present, additional Nu-Calgon descaler (and time) will be required. Most systems can be descaled within four hours

# TREATMENT FOR COOLING TOWERS & EVAPORATIVE CONDENSERS



## **A Regular Program of Water Treatment in Cooling Water Systems is Vital!**

Trouble in Cooling Water Systems can be avoided by initiating simple preventative maintenance procedures. There will be fewer headaches and rush calls during hot weather. Proper water treatment and preventative maintenance will make your job easier, save you time, keep customers happy, and help build a quality reputation for you and your company.

Preventative maintenance doesn't cost... it pays!

Customers are satisfied, your reputation is enhanced.

## TREATMENT FOR SYSTEMS UP TO 30 TONS

Simple treatment for small towers... prevents scale and corrosion... all in one, easy-to-use, self-feeding package. Its flow through package design makes it simple to treat the water and prevent scale and the associated problems that go along with it. It's as simple as unwrapping the package and placing it in the sump in an area of good water flow. Once you've begun treatment, you can forget about it until next year... the treatment lasts the entire cooling season, up to six months. Use one canister for every 10 tons of tower capacity.

**Packaging: 4364-88**



## TREATMENT FOR SYSTEMS OVER 30 TONS

Treatment for larger cooling towers and evaporative condensers is as easy as 1-2-3. Use of Nu-Calgon's **Ty-Ion® C70\*** and a simple bleed will be all that is needed. Ty-Ion C70 is a complete product, formulated to inhibit scale in all waters . . . even those with extremely high hardness and alkalinity. It also contains a silt dispersant to keep the tower clean and corrosion inhibitors to protect copper, steel and other metals. Here is all you need to do for every 50 tons of capacity:

- maintain a simple bleed equal to 1/2 gpm for every 50 tons of capacity
- use 1 gallon of C70\* per month for every 50 tons of capacity

EXAMPLE: A 40 ton tower would require a bleed of 0.4 gpm and a monthly C70\* usage of 0.8 gallon. A 100 ton tower would require a bleed of 1 gpm and monthly C70 usage equal to 2 gallons.

**Packaging: 7597-05**



\*In a very few locations, such as New York City, Boston and San Francisco, the water is corrosive and **Cal-Treat 233** should be used instead of C70. Follow the same directions above, using 2 gallons per month of Cal-Treat 233 for every 50 tons and a bleed of 0.2 gpm for every 50 tons. Consult your wholesaler or Nu-Calgon representative for assistance.

**Packaging: 4149-05**



## **TREATMENT FOR CLOSED CHILLED/HOT WATER SYSTEMS**

**Ty-Ion® B20** is a liquid nitrite-borax corrosion inhibitor and dispersant for closed systems. It combines corrosion inhibitors, including a copper corrosion inhibitor, a unique copolymer dispersant, and a color indicator into a complete treatment for both hot and chilled water closed systems containing ferrous and non-ferrous metal components. The color indicator facilitates leak detection and proper treatment residuals.

**Packaging: 7537-05 (5-gallon pail) and 7537-01 (55-gallon drum)**

**DOSAGE:** Clean system - Use 1 gallon of B20 for every 100 gallons of system water. Fouled system - Clean-up with B20, using 3-gallons for every 100 gallons of system water. After 4-6 weeks, flush and add fresh B20 at 1-gallon per 100 gallons. You may also use System Cleaner as described below.



## **TREATMENT FOR LOW-MAKEUP STEAM HEATING BOILERS**

**Ty-Ion® B14A** is an all-in-one product boiler treatment that controls boiler scale and corrosion and condensate line corrosion in low pressure steam heating boilers where most of the condensate is returned. Ty-Ion B14A is chromate-free and it contains a color indicator for visual determination of treatment residual. Its balanced formulation provides an energy efficient operation of the heating plant. It is a simple, easy-to-use product in one package.

**Packaging: 7519-05 (5-gallon pail)**

**DOSAGE:** After cleaning the steam boiler, use 1-gallon for every 250 gallons of boiler water. Add 1/2 the initial charge at first, adding slowly to system. Follow up in two weeks with remaining dosage.



## **TREATMENT FOR CLEANING EQUIPMENT SURFACES**

**System Cleaner** is a balanced liquid formulation of industrial cleaners, alkalinity buffering agents and surfactants. It is designed specifically for cleaning equipment surfaces fouled by cutting oils, grease, lubricants, corrosion products and similar deposits. It is ideal for cleaning new closed, chilled or hot water systems prior to the system being placed into service, and it is also recommended for cleaning existing systems fouled with corrosion. Can also be used as an acid neutralizer.

**Packaging: 4370-08**



## **ALGAE PREVENTION**

**Bromicide Tablets** are a chlorine-bromine donating organic compound in tablet form. Each tablet slowly releases powerful oxidizing hypohalous acids, which prevent algae and slime bacteria fouling in open recirculating cooling water systems and evaporative coolers. EPA registered.

**Packaging: 4109-M9 (50 lb. pail)**

