

ECO SAFEWAY DESCALER APPLICATIONS

- ◆ *Eco-Safeway Descalers* are scientific liquid descalers specifically designed to dissolve all water scale, lime, rust and other water formed deposits which are found in any type of water operated heat transfer or cooling equipment and systems.
- ◆ Each gallon of *Safeway Descaler* will effectively dissolve approximately two pounds of deposit, restoring operating efficiencies to equipment and heat transfer surfaces. Other benefits include lower head pressures, reduced power consumption, cooler and more efficient operations, increased water flow, and extended equipment life.
- ◆ *Safeway Descalers* are **biodegradable, non-toxic, non-corrosive, and non-flammable when used as directed**. The material may be disposed of down regular sewer drains with a water flush per local regulations. *Safeway Descalers* are safe enough to hold in the open hand. There are no hazards to your equipment, personnel or environment.
- ◆ Most *Safeway Descaler* cleanings may be accomplished within an average of two to four hours of circulation time. Some systems may be cleaned while in operation without the need for shutdown. There is no need to neutralize after cleaning; simply flush dissolved deposits with water and return unit to service.

COOLING TOWER SYSTEMS:

Check spray orifices and clean pans to assure maximum coverage. Thoroughly flush entire system to remove all loose deposits and refill with the minimum amount of clean water to maintain pump circulation. Turn off make-up and bleed-off valves. Slowly add recommended quantity of *Safeway Descalers* for tower cooling capacity and circulate until all foaming action stops. Drain and flush system directly to sewer and refill tower; or bleed-off and overflow all dissolved solids to drain over several days until clear.

BOILERS, CONDENSERS AND HEAT EXCHANGERS:

Thoroughly flush entire system to remove all loose deposits. Connect circulation pump to lower inlet piping and return to circulation bucket from top of unit. Circulate the suggested *Safeway Descaler* & concentration for two to four hours depending on foaming action of discharge. When foaming stops determine *Safeway Descaler* strength by activity on clean concrete. If the solution still foams, equipment should be clean. If there is no foaming action evident, the used material has dissolved its capacity and more fresh descaler may be added for additional circulation until completely clean. Drain and flush entire system directly to sewer with clean water and refill to put unit back into service.

SUGGESTED SAFEWAY DESCALERS CLEANING CONCENTRATIONS:

Boilers ... One gallon or less per boiler horsepower. Heating surface times thickness.
Condensers and Towers ... One gallon per every two to three tons of cooling capacity. Heat Exchangers ... 50-50 water to *Safeway Descaler* dilution per total unit volume.