



**WATER  
TREATMENT**

**NEWS**

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**Solid Water Treatment Chemical Product Solves Problems**

One generally thinks of a solution as being in liquid form. For example, salt brine is a solution of sodium chloride, table salt, dissolved in water – a liquid. However, International Chemtex Corporation (Chemtex), a producer and seller of industrial water treatment chemicals, has proven that solids can be solutions – solutions to building owners and manager’s problems, that is.

Industrial cooling water scale and corrosion inhibitor chemicals have traditionally been formulated as liquids. These inhibitor products are typically blends of several individual chemical components, each with a specific function in protecting the cooling system metals against scale or corrosion. Blending these components in a liquid solution is the easiest way to combine all the ingredients in a single product.

Liquid products have been the standard in the water treatment chemical industry for decades, but recent changes in environmental, regulatory and economic factors affecting the sale, transport and handling of these products have led facility managers and engineers to look for alternatives to liquid treatment chemicals.

The engineering staff at a luxury condominium complex in Denver, Colorado was typical of this trend. They had been using a liquid in the facility’s cooling system for a number of years with excellent

results in system scale and corrosion control. However, the use of the liquid product began to present problems.

Rising fuel prices were driving up the cost to ship the product to their complex. In addition, once the product arrived at their facility, it was necessary to transport the heavy containers into the building through the main doors, into the occupant elevators, down a resident hallway, up a flight of stairs and approximately 100 feet across the roof to the mechanical room. Not only did this sometimes cause annoyance to the building occupants, but the staff feared that an accidental spill of the corrosive liquid might cause damage to carpeting or other building appointments. The condominium management turned to Chemtex for help in addressing these concerns.



Chemtex field engineers, in consultation with the Chemtex Technical Staff, proposed the use of a new solid cooling system inhibitor

to replace the liquid treatment chemical. The solid product proved to be the perfect solution to the condominium’s problems.

One case of the solid product – four 10 pound jars – replaced the annual seasonal usage of 360 pounds of liquid chemical. The case of solid inhibitor was easily transported to the roof-top equipment room, and the chance of an accidental chemical spill was eliminated.

The solid inhibitor is fed into the condominium’s cooling water by means of a wall-mounted feed system that automatically maintains the correct inhibitor level in the cooling water. As a bonus, freight costs for chemical shipments were reduced, the problem of handling and disposal of the liquid product containers was eliminated and the time spent on receiving and handling of the chemical inventory was decreased. Everything considered, this was a “solid” solution to a sticky problem.

International Chemtex Corporation is a Minnesota based producer of industrial water treatment chemicals for boiler, cooling, closed loop, domestic and wastewater applications.

*This Newsletter courtesy of:*



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# CHEMTEX **SOLID** CHEMICAL

**TECHNOLOGY MAY BE THE SOLUTION TO  
YOUR CHEMICAL HANDLING PROBLEMS**

## **PROBLEM**

- ➔ Equipment Room is Inaccessible To Bulky Chemical Drums
- ➔ Storage and Disposal of Chemical Drums
- ➔ High Freight Costs
- ➔ Handling Liquid Chemicals Undesirable To Personnel
- ➔ Liquid Chemicals May Require Bulky and Expensive Containment Equipment To Prevent Spills

## **SOLID SOLUTION**

- ☞ 4 - 10 Pound Bottles of Solid Chemical Equals 30 Gallon Drum of Liquid - Easily Carried to Any Point-of-Feed Location.
- ☞ Discard Bottles When Empty
- ☞ Save As Much As 90% On Freight Compared To Liquids!
- ☞ No Handling Of Chemical Solutions Required
- ☞ No Spills Possible - Containment Equipment Not Necessary!

**ARE ANY OF THESE PROBLEMS YOURS?  
ASK YOUR CHEMTEX REPRESENTATIVE  
TO SHOW YOU HOW**

# **SOLID**

**CHEMICAL TECHNOLOGY  
MAY BE YOUR SOLUTION!**