



# Smart Release™ Product Overview

Smart Release Technology is a dry chemical treatment that uses a patented polymer membrane to release the chemical control agents into cooling systems at a specific defined rate. By using a 95% active chemistry as opposed to a diluted liquid chemistry, no hazardous surfactants or stabilizing agents are needed to keep the chemistry stable. This lowers toxicity of the products thus making them safer to people and the environment. The patented polymer coating controls the release of the active ingredients as well as protects the end user from the raw materials.

## Product Benefits

- Smart-Release minimizes maintenance costs - no pumping required
- Lowers toxicity of chemicals maintained on site
- Requires no electrical energy to apply chemistry into system
- Controls mineral scale and corrosion to optimize equipment efficiency
- Reduces freight costs and fuel requirement due to shipping solid product

## Background of Technology

Smart Release Technology was developed to improve how traditional chemical products were manufactured, transported, applied, and disposed of. The goals were simple: maintain performance while lowering toxicity and reducing carbon foot print. Many chemicals are available in a dry form, but the active ingredients are very difficult to control due to varying solubility and chemical control strategies. Smart Release Technology is unique in that the active ingredients are released with the patented polymer coated membrane which provides optimum active chemistry control without the use of chemical pumps, controls, or solenoids. Therefore, minimal energy is required to apply the chemistry as well as lowering the operator involvement in terms of chemical handling. Carbon footprint is reduced by limiting electrical power needed to apply products as well as limiting fuel needed for shipping.

## Innovate or Stagnate

Innovation is the focus of Smart Release Technology developers. Currently there are many new technologies in research and development that will continue striving toward lowering toxicity to people and the environment, reducing carbon emissions, and optimizing energy efficiency in application. Look to Smart Release for what's next!

