

research proves Corrosion Control
Saves Millions!

American Water Works Association and EPA reports indicate that corrosion control provides numerous health and consumer benefits at a rate of return much greater than the original cost of the chemical additives. The EPA Lead and Copper Rule indicates the annual expense of \$200 million for corrosion control chemicals yield over \$4.0 billion in potential savings and direct benefits to the water utility and consumer.



Highly Tuberculated Distribution Line

Up to 50% of all water utilities use phosphates for treatment of their drinking water. Nationwide, more than 50% of the entire US population is served by utilities treating their water with phosphates. Groundwater and surface supplies may use Carus polyphosphate, orthophosphate, or blends to control rusty water, discoloration, corrosion, scale deposits, chlorine demand, biofilm, and bacterial regrowth from developing in your water system.

Responsible Care®



Chemical Montana Company

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Product & Program
GUIDE



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DOING THINGS RIGHT BECAUSE IT IS THE RIGHT THING TO DO.

consumer confidence

Consumer confidence depends on maintaining water quality through the entire distribution system. Consumers expect clear, colorless, odorless water at the tap despite aging infrastructure. Carus phosphate water treatment inhibits corrosion, slowly rehabilitates water lines, sequesters iron and manganese, and increases chlorine effectiveness. To receive a fact sheet, water treatment DVD, or to have a free corrosion analysis of your water quality data, please call Chemical Montana Company at (406) 442-8900. Or visit our website at www.caruschem.com.

Carus Phosphate Treatment results

**Case study at a 7MGD system results:
Reduced hydrant flushing at dead-ends, reduced rusty water complaints, & yearly savings of \$40,000.**

- Reduce customer complaints \$3,400
- Three fewer valves replaced per year \$2,000
- Fifty hours saved in maintenance \$1,300
- Water meter accuracy improved \$16,000
- Pumping efficiency increased \$1,300
- Main cleaning postponed \$16,000

attention Water Treatment Professionals

Chemical Montana Company and Carus Chemical Company are teaming up efforts to improve water quality thru the use of Carus phosphate water treatment. Over 15,000 municipal water treatment plants worldwide utilize Carus' water treatment chemicals. Carus phosphate water treatment is a combination of chemicals and service designed to keep you in compliance with lead and copper regulations, protect you distribution system, prevent scale deposits, and control rusty water.



Carus and Chemical Montana understand that like fingerprints, no two potable water sources are the same. Instead of a "one-size-fits-all" approach to corrosion control, we evaluate your specific water quality and use computer modeling to select a product, determine dosing requirements, and predict performance. After a product has been selected, we can help monitor corrosion rates and water quality.

**FREE Corrosion Analysis
Fax your water quality information
Today!**

10 ways to Improve Water Quality

Corrosion Control: inhibits corrosion of steel distribution systems, iron and galvanized piping, and lead & copper plumbing.

Iron & Manganese Control: sequesters minerals and light metals to reduce discoloration, staining, and mineral buildup throughout the system.

Calcium Scale Control: inhibits excessive calcium and magnesium carbonate scale buildup.

Biofilm Reductions: enhances disinfectant penetration into biofilm, tuberculation, and scale formations inside water pipes.

Chlorine Savings: sequesters chlorine-consuming minerals and slows the deposition of scale by-products to improve available chlorine residuals and system disinfection.

Pre-Treatment Aid: secondary coagulant and improves sedimentation rates and particle formation prior to filtration. The effect after coagulation aids filtration capability and backwash efficiency.

Catalyze H₂S Removal: expedites the oxidation process to remove annoying odors and rotten-egg smell present in many groundwater supplies.

Save Money: provides the highest rate of return on investment (ROI) for money spent on any operational and maintenance chemical in the water plant. Savings from reduced corrosion and scale, less chlorine demand, fewer failures and leaks, less hydrant flushing, and fewer consumer complaints (average \$10 savings for every \$1 spent).

Security: certified by ANSI/NSF Standard #60 and the USDA and is 100% made in the U.S.A. in a site secured plant and verified transport logistics.

Technical Service: dosage rates, water analysis, on-site inspection, and professional consultation are available from Carus water quality advisors and authorized distributors.

WE WILL DELIVER COMPETITIVE, ERROR FREE SERVICE AND PRODUCTS

To our customer (internal and external) on time, every time.

