



AQUA MAG® blended phosphate is the premier corrosion inhibitor and sequestrant for use in potable and industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability utilizing a broad spectrum of phosphates for better sequestering and corrosion control.

BENEFITS OF AQUA MAG

- **Inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing**
- **Decreases iron tuberculation to extend the life of the distribution system**
- **Inhibits lead and copper leaching resulting in lower lead and copper levels in the delivered potable water**
- **Minimizes the occurrence of microbial-influenced corrosion providing longer life system**
- **Controls iron and manganese minimizing rusty and dirty water in the system**
- **Reduces discoloration, staining, and mineral build-up resulting in fewer customer complaints**
- **Diminishes calcium scale deposits typically seen in hot water lines and heaters**
- **Saves money by reducing corrosion and scale; lowering chlorine demand and decreasing hydrant flushing, leaks, and failures**

PROPERTIES AND CERTIFICATIONS

Description: Clear homogenous liquid

Viscosity: < 2 cps at 70° F

Freezing Point: < 38° F

Specific Gravity: 1.34-1.40

pH (1% w:w): 6.0 ± 0.5

NSF/ANSI Standard 60, Kosher Approved

Conforms to 21 CFR, Section 182 and 184 (USDA)



HANDLING AND STORAGE

AQUA MAG blended phosphate should be handled with care. Wear proper protective equipment including goggles, face shield, apron, respirator and proper gloves when handling this product.

Protect containers from physical damage. Store in a cool, dry area in closed containers. In case of accidental release: contain spill by collecting the liquid in a pit or holding behind a dam (sand or soil). Absorb with inert media and dispose of properly. Disposal of all materials shall be in full and strict compliance with federal, state, and local regulations. Consult the MSDS for additional safety and handling information.

SHIPPING

AQUA MAG blended phosphate is generally considered to be safe and is not classified as hazardous according to the US Department of Transportation, Canada TDG, UN, IMDG, or IATA regulations.

COMPATIBILITY INFORMATION

AQUA MAG blended phosphate can be stored in high-medium density polyethylene, cross-linked polyethylene, fiberglass reinforced plastic, 316 stainless steel, and glass lined/epoxy lined steel tanks. Piping materials may include schedule 80 PVC/CPVC piping, clear PVC, and white polyethylene tubing. Pump materials may include ceramic, Teflon, viton, hypalon and PVC liquid end pump materials.

Metering equipment can include diaphragm and peristaltic type metering pumps and other pumps meeting compatibility requirements.

It is not compatible with black iron, mild steel, galvanized metals, aluminum, zinc, copper, lead, brass, bronze, tin, and other base metals.



SHIPPING CONTAINERS

5-gallon (57-lb) Jerrican

Made of high density polyethylene (HDPE). Weighs 3.0 lb (1.36 kg).

The net weight is 57 lb (25.85 kg).

15-gallon (171-lb) Drum

Made of high density polyethylene (HDPE). Weighs 6.5 lb (3.0 kg).

The net weight is 171 lb (77.6 kg).

30-gallon (342-lb) Drum

Made of high density polyethylene (HDPE). Weighs 14 lb (6.35 kg).

The net weight is 342 lb (155 kg).

55-gallon (627-lb) Drum

Made of high density polyethylene (HDPE). Weighs 21 lb (9.5 kg).

The net weight is 627 lb (284 kg).

SHIPPING CONTAINERS CONT.

275-gallon IBC (Intermediate Bulk Container)

Weighs 129 lb (58.5 kg). The net weight is 3135 lb (1,422 kg). The IBC has a 2 in. butterfly valve with NPT threads in bottom sump.

Bulk quantities up to 4150 gallons are available.

Other containers may be available, contact Carus Corporation at 800-435-6856 for details.

CARUS VALUE ADDED

LABORATORY SUPPORT

Carus Corporation has technical assistance available to answer questions, evaluate treatment alternatives, and perform laboratory testing. Our laboratory capabilities include: Consulting, Treatability Studies, Feasibility Studies, and Analytical Services.

FIELD SERVICES

As an integral part of our technical support, Carus provides extensive on-site treatment assistance. We offer full application services, including technical expertise, supervision, testing, and feed equipment design and installation in order to accomplish a successful evaluation and/or application.

CARUS CORPORATION

During its more than 97-year history, Carus' ongoing emphasis on research and development, technical support, and customer service has enabled the company to become the world leader in permanganate, manganese, oxidation, and base-metal catalyst technologies.