



AQUA MAG® BLENDED PHOSPHATE

Municipal Drinking Water Data Sheet

AQUA MAG® blended phosphate water treatment chemical is an effective sequestering agent for use in potable and industrial water systems. This dry product is manufactured with the highest quality phosphates for better sequestering of iron, manganese, and calcium.

BENEFITS OF AQUA MAG®

- Inhibits corrosion of steel distribution system water lines, iron and galvanized piping, 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 for the 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; decreasing hydrant flushing, leaks, and failures

PROPERTIES & CERTIFICATIONS

Description:	Clear homogeneous liquid
Specific Gravity:	1.34-1.40
pH, (1% w:w):	5.5-6.5
NSF Maximum Feed Rate:	23 mg/L
NSF/ANSI Standard:	60
Shelf Life:	1 Year
Kosher Approved	
Conforms to 21CFR, Section 182 & 184 (USDA)	



Certified to
NSF/ANSI/CAN 60



Kosher Pareve

HANDLING & STORAGE

AQUA MAG blended phosphate should be handled with care. Wear proper personal protective equipment for your application which can include safety glasses, goggles, face shield, apron, respirator, and proper gloves when handling this product.

AQUA MAG has a shelf-life of 1 year when stored and handled properly. Protect containers from physical damage. Store in a cool, dry, temperature controlled area in closed containers set off the floor. Store inside a heated building and off the floor for the best storage conditions at your facility. Exposure to temperature <38°F (3°C) may cause the product to increase in viscosity. It may become cloudy and/or freeze. In case of accidental release: contain spill by collecting the liquid in a pit or holding area 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 Safety Data Sheet (SDS) for additional safety information.**

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. Contact Carus Commercial Team for additional information.

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



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.

SHIPPING CONTAINERS

5 gallon (57 lb) Jerrican

Made of high density polyethylene (HDPE)
Weighs 3.31 lbs. (1.5 kg)
The net weight is 57 lbs. (25.9 kg)

30 gallon (342 lb) Drum

Made of high density polyethylene (HDPE)
Weighs 12.2 lbs. (5.5 kg)
The net weight is 342 lbs. (155.1 kg)

55 gallon (627 lb) Drum

Made of high density polyethylene (HDPE)
Weighs 20.5 lbs. (9.3 kg)
The net weight is 627 lbs. (284.4 kg)

275 gallon (3135 lb) IBC (Intermediate Bulk Container)

The IBC has a 2 inch (5.08 cm) butterfly valve with NPT threads in bottom sump. Weighs 123.2 lbs. (55.9 kg)
The net weight is 3135 lbs. (1422 kg)

Bulk Quantities up to 3500 gallons are available.

Other containers may be available.

Contact Carus at (800) 435-6856 for details.

CARUS VALUE ADDED

LABORATORY SUPPORT

Carus 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

During its more than 100 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.



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Driving Safety & Sustainability

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