



## AQUA MAG® BLENDED PHOSPHATE

Municipal Drinking Water Data Sheet

AQUA MAG® 2350 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

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



Certified to  
NSF/ANSI/CAN 60

Certified



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.



#### Carus Europe

Calle Rosal 4, 1-B | Oviedo, Spain 33009 | Tel +34.985.785.513 | Fax +34.985.785.510

#### Carus Headquarters USA

315 Fifth Street | Peru, IL 61354 | Tel +1 (815) 223-1500 | 1(800) 435-6856 | Fax +1 (815) 224-6697  
carusllc.com | salesmkt@carusllc.com

The information contained herein is accurate to the best of our knowledge. However, data, safety standards and government regulations are subject to change; and the conditions of handling, use or misuse of the product are beyond our control. Carus makes no warranty, either expressed or implied, including any warranties of merchantability and fitness for a particular purpose. Carus also disclaims all liability for reliance on the completeness or confirming accuracy of any information included herein. Users should satisfy themselves that they are aware of all current data relevant to their particular use(s).

AQUA MAG® and Design are registered service marks of Carus. CARUS™ is a trademark of Carus.  
Responsible Care® is a registered service mark of the American Chemistry Council.



**RESPONSIBLE CARE™**  
Driving Safety & Sustainability

© 2025 Carus. All Rights Reserved.  
Rev. 1/2025