



CARUS™ 3180 water treatment chemical is an effective corrosion inhibitor developed specifically for use in potable and industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability.

## BENEFITS OF CARUS 3180

- **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**
- **Forms a stable, highly resistant film on the inside of distribution piping and metal surfaces providing for effective corrosion control**
- **Lowers lead and copper levels in the delivered potable water by inhibiting corrosion in the water system**
- **Decreases the potential for trihalomethane (THM) formation by using the product at a lower water pH**
- **Protects against the release of asbestos or cement from water mains**
- **Saves money by reducing corrosion and decreasing hydrant flushing, leaks, and failures**

## PROPERTIES AND CERTIFICATIONS

<b>Description:</b>	Clear homogeneous liquid
<b>Specific Gravity:</b>	1.50-1.60
<b>pH:</b>	<2.8
<b>NSF Maximum Feed Rate:</b>	16 mg/L
<b>NSF/ANSI Standard:</b>	60



## HANDLING AND STORAGE

CARUS 3180 water treatment chemical should be handled with care. Wear proper protective equipment including goggles, face shield, apron, respirator and proper gloves when handling this product.

CARUS 3180 has a shelf-life of 3 years 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 best storage conditions at your facility. Exposure to temperatures < 0°F (-18°C) may cause the product to increase in viscosity. It may become cloudy and/or freeze. This product may not be freeze/thaw stable. 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 SDS for additional safety information.

## SHIPPING

CARUS 3180 water treatment chemical is listed as a corrosive liquid, acidic, inorganic n.o.s (Phosphoric Acid) and is hazardous according the US Department of Transportation, Canada TDG, UN, IMDG, or IATA regulations.

## COMPATIBILITY INFORMATION

CARUS 3180 water treatment chemical can be stored in high-medium density polyethylene, cross-linked polyethylene, and fiberglass reinforced plastic. 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.



## SHIPPING CONTAINERS

### 5 gallon (65 lb) Jerrican

Made of high density polyethylene (HDPE). Weighs 3.31 lbs. (1.5 kg).

**The net weight is 65 lbs. (29.48 kg).**

### 15 gallon (194 lb) Drum

Made of high density polyethylene (HDPE). Weighs 6 lbs. (2.72 kg).

**The net weight is 194 lbs. (88 kg).**

### 30 gallon (387 lb) Drum

Made of high density polyethylene (HDPE). Weighs 12.2 lbs. (5.5 kg).

**The net weight is 387 lbs. (175.54 kg).**

### 55 gallon (710 lb) Drum

Made of high density polyethylene (HDPE). Weighs 20.5 lbs. (9.21 kg).

**The net weight is 710 lbs. (322.05 kg).**

## SHIPPING CONTAINERS CONT.

### 275 gallon (3548 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 3548 lbs. (1609.35 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.