



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

Description:	Clear homogenous liquid
Freezing Point:	Do not Freeze
Specific Gravity:	1.50-1.60
pH:	<2.8
NSF Maximum Feed Rate:	16 mg/L
NSF/ANSI Standard:	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.

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 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 to 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.

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



SHIPPING CONTAINERS

5 gallon (64 lb) Jerrican

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

The net weight is 64 lbs. (29 kg).

15 gallon (192 lb) Drum

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

The net weight is 192 lbs. (87 kg).

30 gallon (384 lb) Drum

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

The net weight is 384 lbs. (174.2 kg).

55 gallon (704 lb) Drum

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

The net weight is 704 lbs. (319.3 kg).

SHIPPING CONTAINERS CONT.

275 gallon (3520 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 3520 lbs. (1597 kg).**

Bulk quantities up to 3500 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 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.