

CARUS<sup>TM</sup> 1000 Water Treatment Chemical



DATA SHEET

CARUS<sup>TM</sup> 1000 water treatment chemical is an effective sequesterant for use in potable and industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability.

**BENEFITS OF CARUS<sup>TM</sup> 1000**

- Controls iron and manganese minimizing rusty and dirty water in the system
- Inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing
- Diminishes calcium scale deposits typically seen in hot water lines and heaters
- Reduces discoloration, staining, and mineral build-up resulting in fewer customer complaints
- Lowers chlorine demand and improves disinfection within the distribution system
- Saves money by reducing corrosion and decreasing hydrant flushing, leaks, and failures.

**PROPERTIES AND CERTIFICATIONS**

**Description:** Clear homogenous liquid  
**Specific Gravity:** 1.36-1.42  
**pH:** 6.4 ± 0.5  
**NSF Maximum Feed Rate:** 28 mg/L  
**NSF/ANSI Standard 60**



**HANDLING AND STORAGE**

CARUS<sup>TM</sup> 1000 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 MSDS for additional safety information.

**SHIPPING**

CARUS<sup>TM</sup> 1000 water treatment chemical 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**

CARUS<sup>TM</sup> 1000 water treatment chemical can be stored in high-medium density polyethylene, cross-linked polyethylene, fiberglass reinforced plastic, 316 stainless steel, 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.



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Certified Company



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SHIPPING CONTAINERS

5-gallon (58-lb) Jerrican

(UN Specification: UN3H1/Y1.8/100) Made of high density polyethylene (HDPE). Weighs 3.0 lb (1.36 kg). **The net weight is 58 lb (26.3 kg).**

15-gallon (174-lb) Drum

(UN Specification: UN1H1/Y1.8/100) Made of high density polyethylene (HDPE). Weighs 6.5 lb (3.0 kg). **The net weight is 174 lb (78.9 kg).**

30-gallon (348-lb) Drum

(UN Specification: UN1H1/Y1.8/100) Made of high density polyethylene (HDPE). Weighs 14 lb (6.35 kg). **The net weight is 348 lb (157.8 kg).**

55-gallon (638-lb) Drum

(UN Specification: UN1H1/Y1.8/100) Made of high density polyethylene (HDPE). Weighs 21 lb (9.5 kg). **The net weight is 638 lb (289.4 kg).**

SHIPPING CONTAINERS CONT.

275-gallon IBC (Intermediate Bulk Container)

(UN Specification: UN31HA1/Y1.9/100) Weighs 129 lb (58.5 kg). The net weight is 3190 lb (1447 kg). The IBC has a 2 in. butterfly valve with NPT threads in bottom sump.

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 90-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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ONE COMPANY, ENDLESS SOLUTIONS

CARUS CORPORATION

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 Corporation 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).



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