CARUS
WATER



Municipal Drinking Water

CARUS™ 3050 WATER TREATMENT CHEMICAL

DATA SHEET

CARUS™ 3050 water treatment chemical is a sequestering agent and corrosion inhibitor for use in potable and industrial water systems. The product is a dry blend which is readily soluble in water. CARUS 3050 utilizes the highest quality phosphates for better sequesteration and corrosion control.

BENEFITS OF CARUS 3050

•Forms a stable, evenly distributed film on the inside of distribution piping and metal surfaces providing for effective corrosion control

•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

•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:	White powder
Bulk Density:	85 lbs/ft3
Ph (1% w:w):	**≤ 2.5**
NSF Maximum Feed Rate:	26 mg/L
NSF/ANSI Standard:	60

HANDLING AND STORAGE

CARUS 3050 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 3050 water treatment chemical has a shelf-life of 1 year (sealed bags), 2.5 years (sealed pails) 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. 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 3050 water treatment chemical is listed as a Corrosive solid, acidic, inorganic, n.o.s. (contains sodium bisulfate) and is hazardous according the US Department of Transportation, Canada TDG, UN, IMDG, or IATA regulations.

COMPATIBILITY INFORMATION

CARUS 3050 water treatment chemical 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.

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

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SHIPPING CONTAINERS

50-lb Polyethylene bag or 50-lb multi wall paper bag made of 5.5 mL polyethylene valve bag with a tuck sleeve. Multi wall paper bag that is water resistant. **The net weight is 50 lb (22.7 kg).**

50-lb Pail with handle, made of HDPE, weighs 3.1lbs. It is tapered to allow nested storage of empty drums, stands approximately 15.5 inches high and has a maximum diameter of 12 inches. **The net weight is 50 lb (22.7 kg).**

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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