

PRODUCT INFORMATION BULLETIN

PCT 6103 Closed Loop Water Treatment

07/13

General

PCT 6103 is a unique liquid product designed to control corrosion, scale, and deposition in non-evaporative cold and hot water loops, and thermal storage systems. The product is optimized for use in data center plants where aluminum and zinc metallurgy are common. A combination of proven corrosion inhibitors is utilized to control corrosion of iron, copper, zinc, and aluminum, and their alloys, with the multi-metal construction typical of data center facilities. The product also features scale and deposition chemistry that controls calcium scale formation at saturation index values up to +1.5, and, our proprietary **LowTen** chemistry for reduction of cooling water surface tension. Reduced cooling water surface tension improves heat transfer from the moulds to the water, often decreasing mould cycle time, and providing visibly cleaner heat exchange surfaces. **PCT 6103** is **DOT non-hazardous**; and does not contain any zinc, phosphate, or chromate; and is POTW compatible at typical use dosages.

Application

The recommended application method is to maintain a constant level of product in the system water. Since the product contains surfactant based **LowTen**, foam generation may be a problem. System piping should be installed to eliminate any free drops of water into tanks to prevent any foaming of treated waters. Field testing is via colorimetric molybdate test procedure.

Dosage

PCT 6103 dosage is based upon the type of system; metallurgy, makeup water quality; existing corrosion, deposition, and scale; and system operation. Normal dosage range is 3,000 to 6,000 mg/l as product, which equates to a test control range of 100 to 200 mg/l molybdate as Mo. Please consult with your Beebe Technologies service representative for system specific recommendations.

Typical Specifications

neat pH	11.5 to 12.4	Appearance	yellow-green liquid
density	9.6 lb/gal	Odor	azole
Water solubility	100%	USDOT	non-hazardous

Storage and Safety

Store in a cool, clean, dry area; product intended for industrial/commercial use only. This product has a suggested storage limit of six months in opened containers. **PCT 6103** is an irritant in its neat form and should be handled with safety glasses in use. Eye and skin contact areas should be immediately flushed with plenty of water. Spills can normally be diluted with water and flushed down a sanitary sewer; pH adjustment may be required dependent upon local limits.

Product Packaging

PCT 6103 is supplied in returnable 5, 15, 30, 55, and 250 gallon containers from ProChemTech manufacturing plants in Apache Junction, AZ, and Brockway, PA.

Manufacturer:

ProChemTech International, Inc.

“Innovation in Water Management”

Apache Junction, AZ, and Brockway, PA

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