

PRODUCT INFORMATION BULLETIN
PCT 6009 System Startup Cleaner and Passivator

0918

General

PCT 6009 was developed for use in new cooling tower systems to clean and passivate steel, brass, copper, and galvanized components during the critical hydro test and startup phase. Initial cleaning and passivation is required to prevent rapid corrosion of new components when a cooling system is first hydro tested or started up. PCT 6009 incorporates a unique blend of phosphate, polyphosphate, polysilicate, GalvaGard (our proprietary white rust inhibitor), effective surfactants, and dispersants to both clean and passivate to control corrosion.

Application

PCT 6009 should be utilized during first fill hydro testing and during the first 2 to 5 days operation of all new cooling tower systems. Product should be shot fed to establish control levels immediately upon addition of water to a new system for any reason. In general, do not cycle a new system above 1.5 cycles when using this product. This product can also be used following a system acid clean to rapidly re-establish passivated metal surfaces and prevent corrosion of freshly cleaned surfaces.

Dosage - Specifications

The recommended dosage level of PCT 6009 is 2500 to 4000 mg/l as product, 20 to 33 lb product per each 1000 gallons system water volume. Control testing utilizes the accurate ortho phosphate colorimetric method with control limits of 100 to 150 mg/l.

product pH	12.0 to 12.5	appearance	pale yellow liquid
density	9.9 lb/gal	odor	slight
water solubility	100%	DOT - OSHA GHS	hazardous

Handling and Storage

PCT 6009 is a strong caustic in its neat form; eye and skin contact areas should be flushed with plenty of water. Spills should be diked and collected with an absorbent material, such as cat litter or dry sawdust, and properly disposed of in accordance with all regulations. The product at use concentrations is biodegradable and suitable for discharge to the local sanitary sewer. Store in a secure, cool weather protected location, suggested storage life in an unopened container is one year. Chemical goggles and rubber gloves are recommended when handling neat material.

Packaging

PCT 6009 is supplied in returnable 5, 15, 30, 55, and 250 gallon containers from our Apache Junction, AZ, and Brockway PA, plants.

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