



Bulk Coating Tank - Disinfecting Procedure v1.1

A bulk tank coating storage and supply system used for waterbased coating can become contaminated with microbial growth which needs to be cleaned/disinfected. If the coating system is contaminated, all coating/water that is circulated through the system is at risk for becoming infected which can result in a spread of microbial contamination throughout the coating supply system and press coating equipment. Regular maintenance of the coating system is recommended to clean/disinfect the coating storage bulk tank and all parts of the coating supply system.

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Disinfecting Chemicals

- Troy Guard CB08
- Troy Guard CM 1.5

Prior to performing the below procedure, completely read and understand the Troy Chemical Corporation TDS and MSDS/SDS for the above products. Follow and use the recommended handling and safety procedures outlined in the Troy Chemical Corporation product documentation.

Chemicals can be acquired by contacting:

Troy Chemical Corporation
8 Vreeland Road, Florham Park NJ 07932
973-443-4200 www.troycorp.com

Disinfecting Procedure

- 1.) Drain as much coating as possible from the bulk tank.
- 2.) Flush the bulk tank and press supply lines with water to purge residual coating from the system. Inspect the inside of the bulk tank and observe any sediment along the bottom and inner-walls.
- 3.) Partially fill the bulk tank with water to ~80% capacity; partial fill is recommended as most bulk tank contamination occurs in product heels near the bottom of the tank. If product sediment is observed on the inner tank walls above the water-line when filled to ~80% capacity, completely fill the tank with water to ensure that a complete de-contamination of the tank is achieved. Once the bulk tank has been filled with water, calculate the amount of water that the bulk tank contains, and add **Troy Guard CB08** at a rate of 0.4% by weight of water contained in the tank.
- 4.) Allow the mixture to agitate for 1-2 hours, then empty the tank. If the supply lines have been determined to be contaminated, circulate the **Troy Guard CB08** treated water through the coating supply system and press supply lines to clean/disinfect.
- 5.) If sediment was observed on the inside of the bulk tank along the bottom and inner-walls during step 2, re-inspect these areas to ensure the sediment has been removed. If sediment remains inside the bulk tank, repeat steps 3-4 to ensure sufficient cleaning of the tank and system. **Troy Guard CB08** dissipates quickly and will not be present in the disposal; waste water from the cleaning procedure can be flushed to the sewer.
- 6.) Following cleaning the bulk tank, rinse the inside tank walls with a water solution containing 0.15% **Troy Guard CM 1.5**, using enough solution to fill the tank to ~25% capacity. Allow the solution to remain in the tank over-night, then drain the tank using a slow flow rate; draining the tank completely could take 1-2 hours. It is recommended to clean/disinfect or replace press-side coating drums/sumps during the same time as bulk tank cleaning/disinfecting. Once the procedure has been completed, the bulk tank can be filled with coating and resumed for use.