

AquaPure™ T-550

Aquapure T-550 is a proprietary formulation designed as a non-toxic precipitant for heavy metals from industrial process wastewaters, including metals from chelated/complex environments. It is a powerful replacement for commonly used toxic DTC/carbamate-type products. When compared to such products, tests show that Aquapure T-550 has more precipitating activity at a similar dosage.

Aquapure T-550 has been formulated to remove heavy metals from industrial process waters including effluents of plating baths, etching solutions, and rinses containing soluble metals. Aquapure T-550 will reduce the concentration of the following metals to acceptable levels within regulatory requirements: Ag, Au, Cd, Co, Cu, Fe, Hg, Mn, Ni, Pb, and Zn.

Features & Benefits

Easy to use liquid	Can be metered in for easy dosing
A concentrated, liquid metal precipitant blend for chelated heavy metals removal	Can be metered using the use of ORP
Formulated for metal removal from the effluents of plating bath, etchants and rinses containing heavy metals	Produces a dense, black floc

Physical Data

Color	Red-orange liquid
Specific gravity	1.04 – 1.05
pH	< 12.5
Odor	Slight

Typical Applications

- For metal reduction in plating rinses
- For treatment in industrial applications where metals have low limits
- For all rinses containing soluble metals
- To be used on any chelated metal stream

Operating Conditions

Talk to your Hubbard-Hall representative to assist you with any wastewater treatment problems that may arise.

Dosing

Bench scale jar testing will help determine the optimum dosage. Ask for our information bulletin on performing such testing. To optimize the dosage, oxidizers present in solution must be destroyed (reduced) prior to dosing Aquapure T-550. In full-scale installations, the dosing of Aquapure T-550 is most efficiently accomplished with an automatic feed control by ORP (oxidation/reduction potential). Hubbard-Hall will make dosage recommendations to apply to your application.

Feeding

Adjust the solution pH to above 8.0 prior to adding Aquapure T-550. The metal precipitation reaction is almost instantaneous. For some applications, the addition of an iron coagulant, such as Aquapure I-300 or Aquapure ICM, will help with coagulation and clarification operations.

Caution

DO NOT FREEZE

Please read and understand the OSHA Safety Data Sheet prior to use. This product should be handled with reasonable care. Avoid contact with skin, eyes and clothing. Do not take internally.



Product Bulletin

Product Name: Aquapure T-550

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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.