



House Calls for Industrial WasteWater

Product Name: AQUAPURE T-600

Product Code: 2601065
Revised Date: 7/29/2019

Aquapure T-600

AQUAPURE T-600 is a proprietary formulation designed as a non-toxic precipitant for heavy metals from industrial process wastewaters, including metals from chelated and complexed environments. It is a powerful replacement for commonly used toxic DTC/carbamate-type products. When compared to such products, tests show that **AQUAPURE T-600** has more precipitating activity at a lower dosage.

FEATURES AND BENEFITS:

- Liquid Product is easy to meter into system
- Injection points can vary
- This product is controlled by ORP
- Works on chelated/ complexed metals
- Has higher precipitation activity compared to similar products

APPLICATIONS:

Aquapure T-600 works on all rinses that have soluble metals.

Aquapure T-600 is formulated for industrial applications where metals have low limits

Aquapure T-600 should be added at pH 8 or higher, on the alkaline side

For some applications the addition of an iron- based coagulant will give lower metals and help the coagulation and clarification.

AQUAPURE T-600 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-600** 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

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 with **AQUAPURE T-600**. In full-scale installations, the dosing of **AQUAPURE T-600** 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.

To determine the approximate dosage of the Aquapure T-600, use the following formula:
mls AP T-600 = (total ppm metal) X (# of gallons) X (Y)



Product Bulletin

House Calls for Industrial WasteWater

Product Name: AQUAPURE T-600

Product Code: 2601065
Revised Date: 7/29/2019

The Y factor in the formula is determined by the atomic weight of heavy metals. In a waste stream, containing mixed metals, the average atomic weight of the metals is used to arrive at the # 0.0401. When calculating dosages for individual metals, Y is as follows:

<u>METAL</u>	<u>Y FACTOR</u>
Lead	0.0196
Cadmium	0.0362
Zinc	0.0622
Copper	0.0641
Nickel	0.0693
Mixed Metals	0.0401

FEEDING

Adjust the solution pH to above 8.0 prior to adding **AQUAPURE T-600**. 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.

SPECIFICATIONS

Appearance	Red- orange Liquid
Specific Gravity	1.04-1.06
pH	12.00-<12.50
Odor	Slight

SAFETY AND HANDLING

As with any chemical, this product should be handled with reasonable care. See the Material Safety Data Sheet for complete handling information. Avoid contact with skin, eyes, and clothing. Do not ingest.

TECHNICAL ASSISTANCE

Hubbard-Hall is available to assist you with any wastewater treatment problems that may arise.



Product Bulletin

House Calls for Industrial WasteWater

Product Name: AQUAPURE T-600

Product Code: 2601065
Revised Date: 7/29/2019

WARRANTY

THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.