

AquaPure™ FA (Iron Free)

Aquapure FA (Iron Free) is a liquid 50% by weight aluminum inorganic coagulant for wastewater treatment. It is designed to effectively and economically treat spent photopolymer resist strippers and developers. Aquapure FA (Iron Free) has several advantages over powder treatments including no hazardous dusts, ease of handling and metering, and no long mixing times or sludge problems.

Aquapure FA (Iron Free) will allow the spent photopolymer to be easily pressed into a non-sticky cake.

Aquapure FA (Iron Free) will cluster the precipitate into a manageable mass.

Aquapure FA (Iron Free) is most effective when metered on a continuous basis. An automatic dosing system functions very well for this application. A (Iron Free) is also effective as a coagulant for use in hydroxide precipitation.

Features & Benefits

Concentrated liquid	Easy to meter
Iron free aluminum coagulant	Membrane friendly

Physical Data

Specific gravity @ 60°F	1.33 – 1.34
Color	Water white
Clarity	Clear
Iron as Fe	17 – 25 ppm
Total Al ₂ O ₃	8.1 – 8.4%

Typical Applications

- In Printed Circuit shops to treat photo resist
- Papermaking
- Municipal and Industrial Waste and Water Treatment
- Dyes and pigments
- Leather tanners and finishers
- Phosphate Reduction
- Fluoride Reduction



Operating Conditions

Photopolymer resist

1. Adjust pH of the spent solution to 9.0 with Sulfuric or Hydrochloric Acid.
2. Add 5% v/v Aquapure FA (Iron Free) while mixing.
3. The solution can be clarified or sent directly to a press.

The amount of Aquapure FA (Iron Free) necessary varies with the amount and nature of the precipitate. As a rule of thumb, an addition of 1% by volume of Aquapure FA (Iron Free) is tried initially for spent resist strip. Depending upon effectiveness, increments of 0.1 to 0.2% increase or decrease may be called for.

An Aquapure Specialist can determine the best pH range for use in your system.

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.

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.