

AquaPure™ I-300

Aquapure I-300 is ferrous based liquid blended cationic coagulant /metal precipitant. It is superior in settling suspended solids. This coagulant also contains conditioning agents which help tie up oil and grease and is generally used in conjunction with an anionic flocculant. Aquapure I-300 can be used in an alkaline precipitation of metals or in combination with a metal precipitant.

Features & Benefits

Ferrous based coagulant	May be used to reduce hexavalent chrome to trivalent state
Ready to use liquid	Easy to meter
Built in polymer	Reduced polymer addition needed for rapid floc settling

Physical Data

Specific gravity	1.30
Color	Green to Brown liquid
pH	Acidic in nature

Operating Conditions

The amount of Aquapure I-300 necessary varies with the amount of metals present and nature of the wastewater. As a rule of thumb, an addition of 0.1% by volume of Aquapure I-300 is tried initially. Depending upon effectiveness, increments of 0.1% increase or decrease may be called for. While the coagulation process is fast, the Aquapure I-300 may require some stirring to go into solution. Typical dosing for Aquapure I-300 are 1-4 mL/Gal of wastewater. It is best dosed on the acid side and brought up to the final pH before the flocculant is added.

Aquapure I-300 is added first with mixing. Then the pH adjusted for the best pH to precipitate out the metals you are removing i.e.: 8.5 pH for copper, 9.5 pH for nickel. Additions of an anionic flocculant are made and, in many cases, may require less flocculant than used with other coagulants.



Caution

This solution is strongly acidic. Care should be taken when handling and storing. This solution is incompatible with metals. Use Polyethylene pumps, tanks, valves and fittings.

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

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