HP Acidsalt FLWET

HP Acidsalt FLWET is a dry powder acid-salt that replaces mineral acids in plating lines.

HP Acidsalt FLWET contains a special combination of surface activators to produce

smut-free surfaces on Steel, Brass, Copper, Aluminum and Zinc

die-castings.

HP Acidsalt FLWET assists in scale removal and oxides to promote better adhesion and

active surfaces, with or without current.

HP Acidsalt FLWET is especially helpful when processing Zinc die-castings but may

also be used to strip Chromium while activating Nickel surface.

OPERATING PARAMETERS:

Concentration 2-48 oz/gal (15-360 g/l)Temperature 60-180 °F (16-82 °C)Immersion Time 15 seconds - 5 Minutes

OPERATING CONDITIONS FOR SPECIFIC METALS:

Cold-rolled Steel Prior to Nickel plate

16 oz/gal / Ambient / 15 sec. – 2 min.

Hot-rolled, Welded, or Heat-treated Steel 32 oz/gal / 130 °F / 30 sec. – 5 min.

Zinc Die-Castings 4 oz/gal / Ambient / 30 sec.

Copper Plate or Brass 8 oz/gal / Ambient / 10 sec – 1 min.

Nickel Activation 16 oz/gal / 120 °F / 1 min. Chrome Stripping 16 oz/gal / 180 °F / 1 – 3 min.

<u>ACTIVATION / SCALE REMOVAL USING CURRENT:</u>

Polarity Work-piece is cathodic

Anode: Cathode 2:1

Voltage 1.5 – 6 Volts

Current Density 45 – 100 ASF (4.5 – 10.0 ASD)

Anodes Graphite (AGR)

ANALYSIS PROCEDURE:

1. Pipette 10 ml sample into 250 ml Erlenmeyer flask.

- 2. Add 50 ml of DI water.
- 3. Add 2 3 drops of Bromcresol Green indicator solution.
- Titrate with 1.0 N NaOH to a blue- geen endpoint.

Calculation: Mls 1.0 N NaOH x 2.19 = **HP Acidsalt FLWET** (oz/gal)

MIs 1.0 NaOH x 16.4 = **HP Acidsalt FLWET** (g/l)



EQUIPMENT:

Tanks Koroseal lined, satisfactory to 150 °F (66 °C). High temp. rubber

is recommended for temps. over 150 °F (66 °C). At room temperature, rubber, Polyethylene, PVC or Polypropylene are

satisfactory.

Heating Coils Karbate, Graphite or Chemical Lead.

Ventilation Positive ventilation is required when the solution is heated or

when current is used. Ducts and blowers must be made of

chemically resistant material.

NON-WARRANTY:

The data contained in this bulletin is believed by **HAVILAND PRODUCTS COMPANY** to be accurate, true and complete. Since however, final methods of use of these products are in the hands of the customer and beyond our control, we cannot guarantee that the customer will obtain the results described in this bulletin, nor can we assume any responsibility for the use of this product by the customer in any process that may infringe the patents of third parties. Consult the MSDS for all safety and regulatory information.