

Mirapic AS-889

Acid Salt
Technical Data

GENERAL DESCRIPTION

Mirapic AS-889 is a dry powder containing acid salts. **Mirapic AS-889** is for use with water as a replacement for mineral acids for pickling scale, rust, oxides, and activation of metal surfaces prior to plating.

NORMAL USE

Concentration	4 – 60 oz. per gallon (30 – 450 g per L).
Temperature	ambient to 180° F (82° C).
Time	15 seconds to 5 minutes.
Agitation	Will improve pickling rate.
Equipment	316 Stainless Steel, Koroseal, Rubber, Polyethylene, Polypropylene, PVC.
Ventilation	Not required but is recommended with air agitation.

Mirapic AS-889 operates most efficiently from room temperature to 160° F (71° C). When using **Mirapic AS-889** at high concentrations (3 to 5 Lbs. per gal.) the temperature should be maintained at 150° F (66° C). When dissolving **Mirapic AS-889**, the water should be heated to around 140° F (60° C) and **Mirapic AS-889** should be added slowly with agitation.

SUGGESTED OPERATING CONDITIONS

Activation and scale removal using current:

Cathode (work as cathode)	
Current Density	45 – 100 ASF (4.5 – 10 ASD)
Voltage	4 – 9 Volts
Anodes	Graphite (AGR Type), lead coated, nickel or monel hooks.
Anode/Work Area	2 : 1

EQUIPMENT REQUIREMENTS

Tanks:

Rubber, polyethylene, polypropylene, PVC and lead lined tanks are satisfactory up to 130° F (54° C). For temperatures exceed 130° F (54° C) Koroseal or lead lined tanks are recommended.

Heating Coils:

Graphite or Teflon.

Ventilation:

PVC or fiberglass construction.

NORMAL CONTROL

Analytical Method (Equipment available from Chautauqua Chemicals Co.)

1. Pipette a 10 mL sample of **Mirapic AS-889** into a 250 Erlenmeyer flask.
2. Add 50 mL of distilled or deionized water and swirl to mix.
3. Add 3 to 5 drops of bromcresol green indicator and swirl to mix. Solution will turn yellowish.
4. Titrate with 0.50N sodium hydroxide, swirling to mix, until sample goes from yellowish to green in color.
5. Calculation: Concentration of **Mirapic AS-889** (ounces per gallon) = mLs of 0.50N NaOH

HANDLING AND SAFETY CONSIDERATIONS

Consult MSDS sheet on this product for handling considerations, hazard information, and first aid procedures.

OTHER INFORMATION

No warranty, expressed or implied of merchantability fitness for a particular purpose or otherwise, is made. Buyer assumes all risk of use, storage and handling. Chautauqua Chemicals Company, Inc. shall not be made liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, storage, handling or disposal of this product.

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