



TAS 100 Tri-Acid Salt

DESCRIPTION

TAS 100 is a blend of acid salts, activators and surfactants which can be used as a replacement for liquid acids in many applications. **TAS 100** solutions are suitable to be used as activating dips prior to plating on iron, steel, brass, copper or zinc die castings. The addition of these activators in this blend assures brighter, cleaner surfaces, thereby giving better adhesion and faster, more uniform bright plating.

The careful blending of **TAS 100** produces a product with high residual acidity assuring a stable acidity over a long period regardless of the amount of work processed. This is unlike solutions made from mineral acids which vary in pH as they are used.

ADVANTAGES

- Easy and safe to handle acid salt replacement for hazardous liquid acids.
- Brighter, cleaner surface providing for maximum adhesion.
- Constant level of acidity and uniform pickling throughout the life of the bath.
- Activating dip for wide variety of metals.
- Non-fuming at room temperature, thus fewer corrosion problems with surrounding equipment.
- Faster, brighter plating deposits.

OPERATING PARAMETERS

Concentration	4 to 32 oz./gal. (see the table in Section IV. Below)
Temperature	70 to 150°F
Time	5 to 30 minutes
Agitation	Air, Mechanical, or none

EQUIPMENT Tanks should be steel lined with Koroseal, polyethylene, PVC or chemical lead. Heating coils of Karbate or lead are recommended. However, lead lining and coils are not recommended for high concentrations of **TAS 100**, that is, above 1-lb/gal. For small installations, PVC or polyethylene containers may be used.

PHYSICAL PROPERTIES

Appearance	Powder
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CONTROL PROCEDURES

The concentration, temperature and time will vary based on application. See the table below.



Application	Concentration (oz/gal)	Temperature (deg.F)	Time
Acid dip for buffered brass or copper. Steel prior to plating bright nickel	8-16	Room	15-90 sec.
Acid dip for zinc die	4	Room	10-15 sec.
Plating nickel over passive nickel	16-32	Room	2 min at 6 V
Removal of yellow stains from cad plate	1	Room	As required

ANALYSIS

Analysis is not required for the use of this product.

SAFETY AND STORAGE

CAUTION!

TAS 100 contains some soluble fluorides. Therefore, proper protective rubber

clothing and safety glasses should be worn when working with the solution or the salts. In case of contact, flush skin or eyes with plenty of cold water for at least 15 minutes; for eyes, obtain medical attention. Avoid breathing dust and do not take internally. Keep container tightly sealed and store in a dry location.

WASTE TREATMENT

Contact your FCT Water representative for waste treatment recommendations.

MISCELLANEOUS

Available in 50 lb containers.