

ACCU-LABS INC.

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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

931XW **ACID SALTS AND METAL CONDITIONER**

ACCU-LABS 931XW DRY ACID SALTS AND METAL CONDITIONER is specifically formulated to replace the use of hazardous liquid acids such as sulfuric and muriatic acids. **ACCU-LABS 931XW** solutions remove light oxides and scales providing a brighter smut-free surface insuring brighter plating with improved adhesion. **ACCU-LABS 931XW** solutions can be used to activate brass, copper, iron, steel, and zinc diecastings.

OPERATING GUIDELINES:

CONCENTRATION.....2 – 32 ounces per gallon of water

TEMPERATURE RANGE.....Room to 130° *See application chart*

APPLICATION	CONCENTRATION	TEMPERATURE	TIME
Acid dip on steel before bright plating	1 lb. /gal.	Room	15 sec.
Acid dipping brazed tubular steel before plating	1 lb. /gal.	Room	30 sec.
Acid dipping copper plated zinc die castings before nickel and chrome	8 to 16 oz. Per gal.	Room	10 sec. to 1 min.
Acid dip on zinc die castings before bright copper	4 oz. /gal.	Room	15 sec.

APPLICATION	CONCENTRATION	TEMPERATURE	TIME
Acid dip on steel before phosphating	1 lb. /gal.	Room	1 to 3 min.
Acid dip for buffed brass before bright nickel	8 to 16 oz. Per gal.	Room	10 sec. To 1 min.
Pickle steel after heat treating	2 lb. /gal.	130°F.	Varies
Acid dip steel before zinc plate	1 to 2 lb. / gal.	120°F.	30 sec.

EQUIPMENT

ACCU-LABS 931XW solution should be contained in stainless steel equipment or lined with Koroseal, Polyethylene, or PVC. Karbate heating coils may be used, if required. For electrolytic use, carbon electrodes are recommended.

ANALYTICAL CONTROL

- Pipette 10 ml sample of bath into a 250 ml e-flask
- Add 3-5 drops phenolphthalein indicator
- Titrate with 1.0N sodium hydroxide to a red endpoint
- Mls of 1.0N sodium hydroxide x 2.07 = ox/gal of **931XW**

CAUTION:

Always wear proper personal protective gear including eye protection when working with this or any chemicals; read MSDS prior to use.

DISCLAIMER:

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