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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

313 NICKEL STRIP

ACCU-LABS 313 Nickel Strip is a powdered material that is mixed with sulfuric acid and water to strip nickel from copper and copper alloys. No electrical current is needed as **313** Nickel Strip dissolves the coatings chemically.

MAKE-UP

- **ACCU-LABS 313** Nickel Strip should be made up at a concentration of 1 lb. per gallon and 5% per gallon Sulfuric Acid.
- Fill tank $\frac{3}{4}$ full with tap water.
- Slowly add the required amounts of Sulfuric Acid 66° Be´ and **313** Nickel Strip while agitating bath.
- Heating the water to 100°F will aid in dissolving of the salts.
- Fill to final volume.
- Heat to desired temperature.

OPERATING CONDITIONS

- The recommended temperature range for stripping is from 160 - 200°F. If attack occurs on the base metal, the temperature should be lowered to 160°F.
- On brass or nickel silver base parts, dissolving of the zinc from the alloy may occur if the operating temperature is too high.
- The recommended temperature for stripping nickel from these base metals is 160°F.
- **313** Nickel Strip strips at the rate of 4.0 mils. per hour when made up new.

If the work is greasy or oily, it should be cleaned before being stripped. **313** Nickel Strip will not strip chrome, therefore parts plated with chrome must be chrome stripped first.

When the parts are stripped, there may be a thin dark deposit on the work. This is due to impurities that may be present in the nickel; such as copper that does not dissolve in the stripping solution. The dark deposit can easily be removed by dipping in a solution of 2 oz/gal sodium cyanide for a few seconds.

CONTROL

When the stripping time increases due to drag out and consumption, 4 oz. /gal **313** Nickel Strip and 1 ¼% by volume sulfuric acid will decrease stripping dwell time. After 2 additions, it is usually more economical to make up a new bath. The old bath should be disposed of properly.

EQUIPMENT

ACCU-LABS 313 Nickel Strip should be contained in a rubber, plastic or lead lined tank. Coils may be lead, carbon or Pyrex. Temperature control facilities should be provided.

CAUTION

313 Nickel Strip powder is not harmful by itself. However, it is used in a strongly acidic solution. Therefore, contact of the solution with the skin and eyes should be avoided. Always wear personal protective gear when handling or working around this product.

In case of contact with skin, flush with large amounts of cold water. In case of contact with the eyes, flush with cold water and obtain medical attention. Read MSDS prior to use of this product.

DISCLAIMER

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