CRESTCHEMICALS

Nickel Stripper A and B

Non-Cyanide and Heavy Metal Free Stripper for Nickel

Purpose

Crest Nickel Stripper A was developed to remove electroplated nickel from steel and copper alloys by immersion. The stripping solution is safe on soldering and brazing metals. When a new solution is made, the stripping rate is about 1.0 to 1.3 mils of nickel metal per hour at 150°F. As the solution ages, the stripping rate will decrease to about 0.7mils of nickel metal per hour at 150°F.

Method of Use

Application Methods

Immersion

Mixing Instructions

- After determining the volume of the tank, fill one half of the tank with water.
- Add 20% by volume of the Crest Nickel Stripper A to the tank and stir well.
- Now add 6 ounces per gallon in the tank of Crest Nickel Stripper B and stir well.
- Heat to 150-155F with Teflon heating coils.
- At this point, the bath is now ready to be used.

Application Instructions

- Parts must be free of oils and greases.
  - They can be cleaned in an alkaline cleaner like PAC-96.
- No chromium or lead must be allowed in the tank.
  - Chromium deposits are usually stripped in an acid dip or by an alkaline electrolytic cleaner. If an alkaline electrolytic cleaner is used, the parts must be dipped in a 50% by volume Hydrochloric Acid tank for 3 to 5 minutes. This will activate the nickel surface for ease of removal.
  - After the parts have been dipped in the Hydrochloric Acid bath they will need to be rinsed, because the acid will destroy part of the Nickel Stripper B bath.
  - Lead usually shortens the life of the bath by as much as 50%. Products to remove lead usually cause the Nickel Stripper B to have a shortened life span.
- Parts in a rack or basket should be suspended in the bath to be stripped.
  - Do ***not*** allow the parts to touch the sides, the bottom, of the heating coils.
  - The rack of the basket should be coated in plastic to prevent stray electricity from entering the tank.
  - Circulate the solution with a mechanical agitator.
- When the parts are stripped, remove the parts from the tank. Rinse well with clear overflowing water.
  - The parts will be covered with a slight film that should be removed. This film can be removed with an electrolytic caustic cleaner. The film is removed with 5 seconds anodic current, followed by 4 seconds of cathodic current.

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Caution

Do ***not*** use air in this heated tank. If air is used to stir the heated solution, one of the chemicals in the solution will be destroyed.

If the tank is not covered, solvents will evaporate out of the solution, and the stripping will slow down.

If chromium and lead are introduced to the tank, one of the active chemicals is removed from the tank as chromium or lead salt. This salt will settle out in the bottom of the tank as sludge, and the use of Nickel Stripper B will increase.

If the tank is heated for more than 8 hours with nothing in the tank, the solution will begin to destroy itself, since there is no nickel to work on. Do not allow this to happen. Refer to product labels and Safety Data Sheets for precautionary and handling information.